RAYMARK 3.67 -- R199245F

FINAL AREA I REMEDIAL INVESTIGATION

> VOLUME II OF III TABLES & FIGURES

RAYMARK-FERRY CREEK-OPERABLE UNIT 3 STRATFORD, CONNECTICUT

RESPONSE ACTION CONTRACT (RAC), REGION I

For U.S. Environmental Protection Agency

By Tetra Tech NUS, Inc.

EPA Contract No. 68-W6-0045 EPA Work Assignment No. 002-RICO-01H3 TtNUS Project No. N7491

October 1999

Heather M. Ford Project Manager George D Gardner, P.E. Program Manager

10959

VOLUME !

SECTION				PAGE
1.0	INTR	ODUCTIO	N	1-1
	1.1	Purpose	of Report	1-2
	1.2		Organization	
	1.3		rea Background	
		1.3.1	History of Raymark Facility and Environs	1-4
		1.3.2	Facility Operating History	
		1.3.3	Environmental Permits	1-11
		1.3.4	Study Area Description and Setting	1-13
		1.3.5	Other On-Going Activities	
		1.3.6	Previous Investigations	1-16
2.0	STU	OY AREA	INVESTIGATIONS	2-1
	2.1	Surface	Water and Sediment Investigations (1992-1994)	2-2
		2.1.1	Sediment at Raymark Facility and	
			along Ferry Creek (1992 - 1995)	
		2.1.2	Surface Water at Raymark Facility (1993)	
	2.2		npling (1993)	
	2.3	•	ed Site Inspection and Vertical Sampling Program (1993).	
	2.4	Phase I	Remedial Investigation (1993 - 1995)	
		2.4.1	Soil Borings, Test Pits, and Soil Sampling (1994)	2-5
		2.4.2	Surface Water and Sediment Sampling (1994-1995)	2-6
		2.4.3	Salinity Survey (1994)	
		2.4.4	Ground Penetrating Radar Survey (March 1994)	2-7
		2.4.5	Topographic Survey/Global Positioning Survey (1994)	
	2.5		hensive Site Investigation Sampling Program (1994-1995	
	2.6		I Actions Post-Excavation Program (1994 - 1996)	
	2.7	Ecologic	al Risk Assessment (1996 - 1998)	2-10
	2.8	Phase II	Site Investigation (1997)	
		2.8.1	Soil Borings and Soil Sampling	2-10
		2.8.2	Sediment Sampling	2-11
	2.9	Groundy	water Discharge Study	2-12
3.0	PHY		ARACTERISTICS OF THE STUDY AREA	
	3.1		Features and Land Use	
	3.2		[,]	
		3.2.1	Regional Geology	
		3.2.2	Site Geology	3-4

SECTION				PAGE
	3.3	Hydroge	eology	3-10
		3.3.1	Regional Hydrogeology	3-10
		3.3.2	Study Area Hydrogeology	3-11
	3.4	Surface	Water Hydrogeology	3-13
	3.5	Meteoro	ology	3-14
4.0	NATU	JRE AND	EXTENT OF CONTAMINATION	4-1
	4.1	Potentia	I Sources of Contamination	4-1
		4.1.1	Raymark Soil-Waste Materials Disposal	4-2
		4.1.2	Raymark Wastewater Discharge	4-3
		4.1.3	Groundwater Discharge	
	4.2	Overvie	w of Chemical Compounds Detected	4-3
		4.2.1	Volatile Organic Compounds (VOCs)	
		4.2.2	Semivolatile Organic Compounds (SVOCs)	
		4.2.3	Pesticides	
		4.2.4	Polychlorinated Biphenyls (PCBs)	4-5
		4.2.5	Dioxins and Furans	
		4.2.6	Metals	4-6
		4.2.7	Asbestos	4-6
		4.2.8	Chemical Compounds Used or Handled at the	
			Raymark Facility	4-7
		4.2.9	Terminology for Evaluating Analytical Data	4-7
		4.2.10	Evaluation of Usability of Field Screening Data	
	4.3	Backgro	ound Concentrations	
		4.3.1	Sediment	4-10
		4.3.2	Surface Water	4-10
		4.3.3	Soil	4-11
	4.4	Area A-	1: Area A-1: Upper Ferry Creek (Morgan Francis	
			y) - Summary of Contamination	4-11
		4.4.1	Sediment	
		4.4.2	Surface Water	4-14
		4.4.3	Soil	4-15
	4.5		2: Upper Ferry Creek (Commercial Property)	
	_	Summa	ry of Contamination	4-18
		4.5.1	Soil	

SECTION				PAGE
	4.6	Area A-3	3: Upper Ferry Creek (Wetlands)	
			y of Contamination	4-22
		4.6.1	Sediment	
		4.6.2	Surface Water	4-26
		4.6.3	Soil	4-27
5.0	CONT	AMINAN	IT FATE AND TRANSPORT	5-1
	5.1	Contami	nant Sources and Releases	5-1
	5.2	Contami	nant Fate and Transport in the Area I Study Area	5-4
		5.2.1	Soil	
		5.2.2	Sediment and Surface Water	5-7
6.0	BASE	LINE HUN	MAN HEALTH RISK EVALUATION	6-1
	6.1	Introduc	tion - Overview of Risk Assessment Process	6-1
	6.2	Data Eva	aluation Methodology	6-3
		6.2.1	Selection of Chemicals of Potential Concern	6-4
	6.3	Toxicity	Assessment	6-15
		6.3.1	Carcinogenic Effects	6-17
		6.3.2	Noncarcinogenic Effects	
		6.3.3	Toxicity Summaries for Major Chemicals of Concern	6-23
	6.4	Exposure	e Assessment	6-26
		6.4.1	Exposure Setting	6-27
		6.4.2	Conceptual Site Model	6-28
		6.4.3	Potential Routes of Exposure	6-31
		6.4.4	Potential Receptors	6-33
		6.4.5	Exposure Pathways	6-34
		6.4.6	Quantification of Exposure	6-35
		6.4.7	Exposure to Lead	6-42
	6.5	Risk Cha	aracterization	6-43
		6.5.1	Risk Characterization Methodology	6-44
	6.6	Uncertai	nties Analysis	6-45
		6.6.1	Uncertainty in Selection of Chemicals of Concern	6-47
		6.6.2	Uncertainty in the Exposure Assessment	6-48
		6.6.3	Uncertainty in the Toxicological Evaluation	6-49
		6.7	Baseline Human Health Risk Assessment - Area A-1	
			Morgan Francis Property	6-53
		6.7.1	Overview of Area A-1, the Morgan Francis Property	
		6.7.2	Data Evaluation	
		6.7.3	Area A-1, Exposure Assessment	
			•	

SECTION				PAGE
		6.7.4	Risk Characterization	6-64
		6.7.5	Uncertainties	6-70
		6.7.6	Summary of Human Health Risk Assessment	6-71
	6.8	Baseline	Human Health Risk Assessment - Area A-2 -	
		Comme	rcial Properties West of Ferry Creek	6-73
		6.8.1	Overview of Area A-2, Commercial Properties West of	ıf
			Ferry Creek	
		6.8.2	Data Evaluation	6-74
		6.8.3	Area A2, Exposure Assessment	6-77
		6.8.4	Risk Characterization	6-81
		6.8.5	Uncertainties	
		6.8.6	Summary of Human Health Risk Assessment	6-87
	6.9	Baseline	Human Health Risk Assessment - Area A-3 -	
		Ferry Cr	eek and Properties East of Ferry Creek	6-87
		6.9.1	Overview of Area A-3, Ferry Creek and Properties	
			East of Ferry Creek	6-88
		6.9.2	Data Evaluation	6-88
		6.9.3	Area A-3, Exposure Assessment	6-92
		6.9.4	Risk Characterization	
		6.9.5	Uncertainties	
		6.9.6	Summary of Human Health Risk Assessment	6-102
	6.10	Summa	ry of Human Health Risk Assessment for Areas A-1,	
		A-2, and	d A-3	6-103
		6.10.1	Noncarcinogenic Risks	6-103
		6.10.2	Carcinogenic Risks	6-104
		6.10.3	Exposure to Lead	6-104
		6.10.4	Exposure to Asbestos	6-106
7.0	ECOL	OGICAL	EVALUATION	7-1
	7.1	Site Des	scription and Potential Receptors	7-2
		7.1.1	Study Area Description	7-2
		7.1.2	Water and Sediment Quality	7-3
		7.1.3	Habitats and Potentially Exposed Receptor Groups	7-5
	7.2	Routes	of Exposure	
	7.3		eation of Contaminants of Concern	
	7.4		on of Ecological Endpoints	
	7.5		on of Indicator Species	

SECTION				PAGE
	7.6	Ecologic	cal Effects	77
	7.0	7.6.1	Chemistry	
		7.6.2	Contaminant Residue in Organisms	–
		7.6.3	Effects on Wildlife	
		7.6.4	Toxicity Testing	
		7.6.5	Benthic Community Analysis	
	7.7		ry and Conclusions	
8.0	SUMI	MARY AI	ND CONCLUSIONS	8-1
	8.1		and Extent of Contamination Summary	
		8.1.1	Nature of the Contamination within Area I	
		8.1.2	Extent of Contamination within Area I	
		8.1.3	Volatile Organic Compounds (VOCs)	
		8.1.4	Semivolatile Organic Compounds (SVOCs)	
		8.1.5	Pesticides	
		8.1.6	Polychlorinated Biphenyls (PCBs)	
		8.1.7	Dioxins/Furans	
		8.1.8	Metals	8-7
		8.1.9	Asbestos	8-8
	8.2	Contam	inant Fate and Transport Summary	8-9
	8.3	Risk As	sessment Summary	8-9
		8.3.1	Human Health Risk Assessment	8-9
		8.3.2	Ecological Risk Assessment	8-12
	8.4	Conclus	ions	
REFERENC	CES			
			VOLUME II	
			TABLES	
NUMBER				
1-1		History	of Activities Associated with Raymark Facility and Enviro	ons
4-1			al Contaminants Frequently Detected in OU3 Study Area	
4-2			al Compounds Used or Handled at the Raymark Facility	
4-3			ry of Background Concentrations in Sediment	
4-4			ry of Background Concentrations in Surface Water	

TABLES (Cont'd)

NUMBER	
4-5	Summary of Background Concentrations in Soil
4-6	Area A-1: Samples Collected and Analyses Performed
4-7	Area A-1, Sediment Contaminants Exceeding Background
4-8	Area A-1, Surface Water Contaminants Exceeding Background
4-9	Area A-1, Soil Contaminants Exceeding Background
4-10	Area A-2: Samples Collected and Analyses Performed
4-11	Area A-2, Soil Contaminants Exceeding Background
4-12	Area A-3: Samples Collected and Analyses Performed
4-13	Area A-3, Sediment Contaminants Exceeding Background
4-14	Area A-3, Surface Water Contaminants Exceeding Background
4-15	Area A-3, Soil Contaminants Exceeding Background
6-1	Criteria Used to Evaluate Chemicals Detected in Soil/Sediment
6-2	Criteria Used to Evaluate Chemicals Detected in Surface Water Biota
6-3	Cancer Slope Factors for Chemicals of Concern
6-4	Estimated Orders of Potential Potency for Carcinogenic PAHs ⁽¹⁾
6-5	Dioxin and Furan Toxicity Equivalent Factors ^a
6-6A	Slope Factors for Aroclors ⁽¹⁾
6-6B	Toxicity Equivalence Factors for PCB Congeners
6-7	Reference Doses and Endpoints/Target Organs for Chemicals of Concern
6-8	Summary of Potential Receptors
6-9	Summary of Exposure Routes Evaluated Quantitatively
6-10A	Summary of Exposure Input Parameters - Sediment/Soil(1)
6-10B	Chemical Specific Dermal Absorption Factors for Soils/Sediments
6-11	Summary of Exposure Input Parameters - Surface Water (1)(2)
6-12	Selection of Chemicals of Potential Concern, Area A-1, Morgan Francis
	Properties, Surface Soil/Sediment
6-13	Selection of Chemicals of Potential Concern, Area A-1, Morgan Francis
_	Properties, All Soil/Sediment (0-15')
6-14A	Comparison of Maximum Concentrations to Groundwater Protection
	Benchmarks, Area A-1, Morgan Francis Properties, Surface Soil/Sediment
6-14B	Comparison of Maximum Concentrations to Groundwater Protection
	Benchmarks, Area A-1, Morgan Francis Properties, All Soil/Sediment
0.4.0	(0-15')
6-14C	Comparison of Leachate Concentrations to SPLP Criteria

TABLES (Cont'd)

NUMBER	
6-15	Selection of Chemicals of Potential Concern, Area A-1, Morgan Francis Properties, Surface Water
6-16	Selection of Receptors and Exposure Pathways Area A-1, Morgan Francis Properties
6-17	Exposure Point Concentrations, Area A-1, Morgan Francis Properties
6-18A	Summary of Cancer Risks and Hazard Indices Reasonable Maximum Exposure Scenario Area A-1, Morgan Francis Properties
6-18B	Summary of Cancer Risks and Hazard Indices Central Tendency Exposures Scenario Area A-1, Morgan Francis Properties
6-19	Summary of Remedial Investigations and Recommendations, Area A-1, Morgan Francis Properties
6-20	Selection of Chemicals of Potential Concern Area A-2, Spada Property, Surface Soil/Sediment
6-21	Selection of Chemicals of Potential Concern, Area A-2, Spada Property, All Soil/Sediment (0-15')
6-22A	Comparison of Maximum Concentrations to Groundwater Protection Benchmarks, Area A-2, Spada Property, Surface Soil/Sediment
6-22B	Comparison of Maximum Concentrations to Groundwater Protection Benchmarks, Area A-2, All Soil/Sediment (0-15')
6-23	Selection of Receptors and Exposure Pathways, Area A-2, Spada Property
6-24	Exposure Point Concentrations, Area A-2, Spada Property
6-25A	Summary of Cancer Risks and Hazard Indices Reasonable Maximum Exposure Scenario, Area A-2, Spada Property
6-25B	Summary of Cancer Risks and Hazard Indices Central Tendency Exposure Scenario, Area A-2, Spada Property
6-26	Summary of Remedial Investigations and Recommendations, Area A-2, Spada Property
6-27	Selection of Chemicals of Potential Concern, Area A-3, Residential Properties on Housatonic Avenue, Surface Soil/Sediment
6-28	Selection of Chemicals of Potential Concern, Area A-3, Residential Properties on Housatonic Avenue, All Soil Sediment (0-15')
6-29A	Comparison of Maximum Concentrations to Groundwater Protection Benchmarks, Area A-3, Residential Properties on Housatonic Avenue, Surface Soil/Sediment

TABLES (Cont'd)

Comparison of Maximum Concentrations to Groundwater Protection
Benchmarks, Area A-3, Residential Properties on Housatonic Avenue, All Soil/Sediment (0-15')
Comparison of Leachate Concentrations to TCLP/SPLP - Criteria Area A3, Residential Properties on Housatonic Avenue
Selection of Chemicals of Potential Concern, Area A-3, Residential Properties on Housatonic Avenue, Surface Water
Selection of Receptors and Exposure Pathways, Area A-3, Residential Properties on Housatonic Avenue
Exposure Point Concentrations, Area A-3, Residential Properties on Housatonic Avenue
Summary of Cancer Risks and Hazard Indices Reasonable Maximum Exposure Scenario
Summary of Cancer Risks and Hazard Indices Central Tendency Exposure Scenario Area A-3, Residential Properties on Housatonic Avenue
Summary of Remedial Investigations and Recommendations, Area A-3 Residential Properties on Housatonic Avenue
Total Organic Carbon Statistics - Surface Sediment Samples
Sediment AVS - SEM Statistics
Contaminants of Concern
Comparison of AWQC for CoCs with Measured Water Concentrations (ug/L)
Concentrations of Contaminants Detected in Sediment Samples (Dry Weight Basis)
Concentrations of Trace Metals, PCBs, DDTs and PAHs in Fish Tissues (Wet Weight)
Concentrations of Trace Metals, PCBs, DDTs, and PAHs in Crab Tissues (wet weight)
Summary of the Potential Risks That Could Result from Exposure to Raymark Soil-Waste.

VOLUME II

FIGURES

NUMBER	
1-1	Site Locus Map
1-2	Study Area
3-1	Area A-1: Estimated Thickness of Fill
3-2	Area A-2 and A-3: Estimated Thickness of Fill
3-3	Geologic Profiles
4-1	Area A-1: Sample Location Plan
4-2	Area A-1: Total Aroclors in Surface Sediment and Surface Soil
4-3	Area A-1: Total Aroclors in Subsurface Sediment and Subsurface Soil
4-4	Area A-1: Lead in Surface Sediment and Surface Soil
4-5	Area A-1: Lead in Subsurface Sediment and Subsurface Soil
4-6	Area A-1: Copper in Surface Sediment and Surface Soil
4-7	Area A-1: Copper in Subsurface Sediment and Subsurface Soil
4-8	Area A-1: Asbestos in Surface Sediment and Surface Soil
4-9	Area A-1: Asbestos in Subsurface Sediment and Subsurface Soil
4-10	Area A-2: Sample Location Plan
4-11	Area A-2: Total Aroclors in Surface Soil
4-12	Area A-2: Total Aroclors in Subsurface Soil
4-13	Area A-2: Lead in Surface Soil
4-14	Area A-2: Lead in Subsurface Soil
4-15	Area A-2: Copper in Surface Soil
4-16	Area A-2: Copper in Subsurface Soil
4-17	Area A-2: Asbestos in Surface Soil
4-18	Area A-2: Asbestos in Subsurface Soil
4-19	Area A-3: Sample Location Plan
4-20	Area A-3: Total Aroclors in Surface Sediment and Surface Soil
4-21	Area A-3: Total Aroclors in Subsurface Sediment and Subsurface Soil
4-22	Area A-3: Lead in Surface Sediment, Surface Water, and Surface Soil
4-23	Area A-3: Lead in Subsurface Sediment and Subsurface Soil
4-24	Area A-3: Copper in Surface Sediment, Surface Water, and Surface Soil
4-25	Area A-3: Copper in Subsurface Sediment and Subsurface Soil
4-26	Area A-3: Asbestos in Surface Sediment and Surface Soil
4-27	Area A-3: Asbestos in Subsurface Sediment and Subsurface Soil
6-1	Human Health Risk Receptors and Hot Spots

7-1

Primary Contaminant Pathways from the Raymark Industries Facility

VOLUME III

APPENDICES

Appendix A	_	Boring	Logs
------------	---	--------	------

Appendix B - Analytical Data - 1 Diskette

Appendix C - Hydrologic and Hydraulic Analysis (ACOE)

Appendix D - Ecological Risk Assessment (NOAA); Evaluation of Raymark Superfund Data for PRG Development (SAIC); Evaluation of Ecological Risk to Avian and Mammalian Receptors in the Vicinity of Upper and Middle Ferry Creek, Stratford, CT (SAIC)

Appendix E - Ground Penetrating Radar Survey

Appendix F - Human Health Risk Assessment Supporting Documentation

Appendix G - Supplemental Evaluation of Nature and Extent of Contamination

Appendix H - Supplemental Evaluation of Fate and Transport Processes

TABLES

TABLE 1-1 HISTORY OF ACTIVITIES ASSOCIATED WITH RAYMARK FACILITY AND ENVIRONS FINAL REMEDIAL INVESTIGATION REPORT – AREA I RAYMARK - FERRY CREEK - OU3 STRATFORD, CONNECTICUT

DATE	ACTIVITY	COMPANY CONDUCTING ACTIVITY*	GENERAL FINDINGS
1992-1994	CERCLA Removal Action at the Raymark Facility to abate imminent health risks	ELI	Mitigated imminent health risks posed by site conditions.
1993	Soil Sampling	Metcalf & Eddy - CT DEP	Soil samples collected from residential properties within AOC C.
1993	Final Site Inspection Report for Raymark Industries issued	Weston (ARCS)	Included collection of sediment samples along Ferry Creek and the Housatonic River to monitor contaminant migration from the Raymark Facility. Numerous site-related organic and inorganic contaminants detected at elevated levels. Soil sampling detected site-related contaminants at the facility and nearby residential properties. Report also
1993	Fish and Shellfish Sampling	EPA and CT DEP	summarized previous sampling results (soil, sediment, groundwater). Fish/shellfish analyses from samples collected from various Stratford water bodies, including Housatonic River, Ferry Creek, Selby Pond, and other ponds. Health advisory issued to limit consumption of eels from Selby Pond.
1993-1995	Expanded Site Inspections (ESIs) and Vertical Sampling Program (VSP)	Weston (TAT/ARCS)	Surficial and subsurface soil and groundwater sampling conducted at various locations throughout Stratford identified contamination. Commercial and residential properties within the study area were
1993-1994	Comprehensive Site Investigation (CSI) reports issued, Stratford Superfund Sites	HNUS (ARCS)	investigated by Weston under TAT and ARCS, respectively. Surficial and subsurface soil investigations and sampling for lead, PCBs, and asbestos; conducted at Stratford residential properties, using a grid sampling system, to provide data necessary to proceed with the Stratfor Superfund Sites Remediation Program. The properties investigated by HNUS are outside the current OU3 study area, and are therefore not discussed in this report, but data from these studies were used to help define the current OU3 study area.

TABLE 1-1
HISTORY OF ACTIVITIES ASSOCIATED WITH RAYMARK FACILITY AND ENVIRONS
FINAL REMEDIAL INVESTIGATION REPORT – AREA I
RAYMARK - FERRY CREEK - OU3
STRATFORD, CONNECTICUT
PAGE 2 OF 3

DATE	ACTIVITY	COMPANY	GENERAL FINDINGS
DATE		CONDUCTING	
		ACTIVITY*	
1994-1995	Comprehensive Site Investigations (CSI), Stratford Superfund Sites, Final CSI Report issued 1995	Foster Wheeler	Surficial and subsurface soil investigations conducted at Stratford residential properties, using a grid sampling system, to provide data necessary to proceed with the Stratford Superfund Sites Remediation Program. Contamination identified.
1994	Hydrologic Runoff Analysis Report issued	ELI	Investigated surface water samples associated with drainage system network and diversion bypass around Lagoon No. 4. Contaminant discharge identified as result of drainage network, not a specific source or spill.
1994	Ground Penetrating Radar (GPR) Survey Report issued	Hager-Richter	Data obtained on depth of fill and presence of buried metal objects at three properties within the study area (Morgan Francis, Housatonic Boat Club, and Spada).
1994-1996	Removal Action and Post-Excavation Programs	Foster Wheeler	Post-excavation records for soil removal actions conducted at 46 properties document the remediation activities and indicate that the established clean-up criteria were achieved.
1995	Final RCRA Facility Investigation Report, Raymark Industries, issued	ELI	Reported results from monitoring wells and soil borings, Phase IIA and IIE groundwater sampling rounds, nature and extent of Raymark Facility contamination. Continued to exceed drinking water standards.
1995	Final Remedial Investigation Report, Raymark Facility, issued	HNUS (ARCS)	Compiled results reported by ELI and other contractors as part of RCRA Facility Investigation and CERCLA time-critical removal actions at Raymark Facility. Widespread groundwater and soil contamination at facility. Recommend additional investigations of surface water, sediment, and groundwater off site.
1997	Ecological Risk Assessment	NOAA	Addressed risks to ecological receptors posed by hazardous Raymark Facility waste materials present in Ferry Creek, portions of the Housatoni River, and associated wetlands.

TABLE 1-1
HISTORY OF ACTIVITIES ASSOCIATED WITH RAYMARK FACILITY AND ENVIRONS
FINAL REMEDIAL INVESTIGATION REPORT – AREA I
RAYMARK - FERRY CREEK - OU3
STRATFORD, CONNECTICUT
PAGE 3 OF 3

DATE	ACTIVITY	COMPANY CONDUCTING	GENERAL FINDINGS
1997	Draft Phase II and Draft Phase III Tech Memos, Selby Pond issued	ACTIVITY* HNUS	Reported nature and extent of surface water and sediment contamination in and around Selby Pond. Identified hydrologic connection between Ferry Creek and pond. Recommended consideration of remedial action to be combined with that of Ferry Creek.
1997	Final Tech Memo, Compilation of Existing Data, Raymark - Ferry Creek issued	B&RE (RAC)	Compiled existing data. Identified data gaps to be filled during Raymark - Ferry Creek RI.
1988	Draft Evaluation of Raymark Superfund Data for PRG Development	SAIC	Evaluated historical and recently collected chemistry and toxicity data for development of preliminary remediation goals for Raymark-related contaminants of concern.
1999	Evaluation of Ecological Risk to Avian and Mammalian Receptors in the Vicinity of Upper and Middle Ferry Creek	SAIC	Evaluated potential risk to avian and mammalian receptor species utilizing habitat in upper and middle Ferry Creek

Notes:

- * ELI was hired by Raymark Industries, Inc. to perform environmental investigations at the Raymark Facility. Metcalf & Eddy performed environmental sampling under contract to CT DEP. Foster Wheeler was contracted by U.S. ACOE to perform environmental investigations to support the Stratford Superfund Sites Removal Action Program. Weston was contracted by EPA to perform environmental investigations at the Raymark Facility and environs, including residential and commercial properties in Stratford, under TAT and ARCS. NOAA and their contractor Facility and environs to complete associated RI/FS activities under ARCS and RAC. Hager-Richter Geoscience, Inc. was subcontracted by HNUS to perform a GPR survey to support the RI/FS activities.
- CSI Comprehensive Site Investigation
- ESI Expanded Site Inspection
- GPR Ground Penetrating Radar
- VSP Vertical Sampling Program

TABLE 4-1 CHEMICAL CONTAMINANTS FREQUENTLY DETECTED IN OU3 STUDY AREA FINAL REMEDIAL INVESTIGATION REPORT – AREA I RAYMARK - FERRY CREEK - OU3 STRATFORD, CONNECTICUT

VOCs:	SVOCs:	PESTICIDES:
Aromatic Hydrocarbons	Phenolic Compounds	4,4'-DDD
		4,4'-DDE
Benzene	4-Methylphenol	4,4'-DDT
Ethylbenzene	2,4-Dimethyphenol	alpha-Chlorodane
Toluene	Phenol	gamma-Chlordane
Xylene		Dieldrin
Aylene	<u>Phthalates</u>	
Chlorinated Hydrocarbons		PCBs:
Cincinated Hydrodal serie	Bis(2-ethylhexyl)phthalate	
Vinyl chloride	Di-n-butylphthalate	Aroclor-1262
Chorobenzene		Aroclor-1268
1,1-Dichloroethane (1,1-DCA)	Polynuclear Aromatic Hydrocarbons	
1,1-Dichloroethene (1,1-DCE)	(PAHs)	METALS:
1,2-Dichloroethene (1,2-DCE)	<u>(* * 11.10)</u>	
Methylene Chloride	Acenaphthylene	Aluminum
1,1,1-Trichloroethane (1,1,1-TCA)	Acenaphthene	Arsenic
Trichloroethene	Anthracene	Barium
Themorethene	Benzo(a)anthracene	Beryllium
	Benzo(a)pyrene	Cadmium
Kotonos	Benzo(b)fluoranthene	Calcium
<u>Ketones</u>	Benzo(g,h,i) prylene	Chromium
Acatono	Benzo(k)fluoranthene	Cobalt
Acetone	Chrysene	Copper
2-Butanone (MEK)	Dibenz(a,h)anthracene	Iron
4-Methyl-2-pentanone	Dibenzofuran	Lead
Other	Fluoranthene	Magnesium
<u>Other</u>	Fluorene	Manganese
On the Districted	Indeno(1,2,3-cd)pyrene	Mercury
Carbon Disulfide	2-Methylnaphthalene	Nickel
	Naphthalene	Potassium
	Phenanthrene	Silver
	Pyrene	Sodium
	Fyrene	Vanadium
	Other	Zinc
	<u>Other</u>	2110
	Carbazole	ASBESTOS:
		Chrysotile
		DIOXINS AND FURANS:
		2,3,7,8-TCDD toxic
li .		equivalents (TEQ)

TABLE 4-2 CHEMICAL COMPOUNDS USED OR HANDLED AT THE RAYMARK FACILITY FINAL REMEDIAL INVESTIGATION REPORT – AREA I RAYMARK - FERRY CREEK - OU3 STRATFORD, CONNECTICUT

CHEMICAL	DESCRIPTION	INFORMATION SOURCES			CES
COMPOUND/MATERIAL		NO. 1	NO. 2	NO. 3	NO. 4
Acetone	2-Propanone	X		X	
Adhesive CR04					X
Alcohol			Х		Х
Aluminum	Alumina		Х		X
Ammonia Aqua		X			X
Arco 4545					X
Asbestos			X	X	X
Boiler Feed Water		Х			
1-Butanol	N-Butyl Alcohol			Х	
2-Butanone	MEK			Х	
N-Butyl Alcohol				X	
Carbon Tetrachloride	Perchloromethane			X	
Caustic	Sodium Hydroxide	X			Х
Caustic Liquid/Sludge	Sodium Hydroxide				X
China Oil					X
Chinawood Oil	Meta Para Cresol; Phenolic Mixture	Х			
Ching Oil					X
Chlorinated Fluorocarbons				X	
Coal	Natural Solid		X		
Coal Tar Resin	Petroleum-Like Fuel				X
Copper			X		
Cotton			Х		
Cresolic Acid	Cresol; Methylphenol			X	
Cresylic Acid	Cresol; Methylphenol	Х		X	X
Denatured Alcohol		Х			
Denatured Ethanol					X
Dust (Dry)					X
Dust (Wet)					X
Fiberglass Fibers			X		
Fire Water		X			
Formaldehyde Resin					X
Formaldehyde (37%)		X		X	
#2 Fuel Oil	Diesel Oil	X			
#6 Fuel Oil		X	X		
Gilsonite	Asphaltic Material				X

TABLE 4-2
CHEMICAL COMPOUNDS USED OR HANDLED AT THE RAYMARK FACILITY
FINAL REMEDIAL INVESTIGATION REPORT – AREA I
RAYMARK - FERRY CREEK - OU3
STRATFORD, CONNECTICUT
PAGE 2 OF 4

CHEMICAL	DESCRIPTION	. INF	ORMATI	ON SOUR	CES
COMPOUND/MATERIAL		NO. 1	NO. 2	NO. 3	NO. 4
Graphite	Black Lead		X		110. 7
Hexamethylene Tetramine	Methanamine				Х
Hycar Rubber			X		
Hydraulic Oil			X	 	
Iron Hydroxide Sludge			Х		
Latex	Hydrocarbon Polymer	X	X		X
Lead			X	X	$\frac{\lambda}{X}$
Linseed Oil	Flaxseed Oil	Х		- ^ 	^
Liquid Phenolic Resin	Condensation of Phenol with Aldehydes		Х		
Meta Para Cresol	Phenolic Mixture	Х			
Methanol	Methyl Alcohol				X
Methylbenzene	Toluene			X	
Methyl Chloride	Dichloromethane			$\frac{\lambda}{X}$	
Methyl Chloroform	1,1,1-Trichloroethane		X	$\frac{\lambda}{X}$	
Methylethyl Ketone	2-Butanone	X	^-	X	
Methylphenol	Cresol			$\frac{\hat{x}}{x}$	X
Mineral Spirits				-^- +	
Monochlorobenzene	Phenyl Chloride	X			X
Muriatic Acid	Hydrochloric Acid		X		X
Naptha	Petroleum Product	X	X		
Nitric Acid		X	$\frac{\lambda}{X}$		
Nylon			-^-		- <u>- </u>
Phenol	Tung Oil	X	X	X	X
Phenol Formaldehyde	Synthetic	$ \stackrel{\wedge}{-}$ $+$			X
Copolymer	Thermosetting Polymer				X
Phenolic Resin	Condensation of Phenol with Aldehydes				Х
Phenolic Resin 424					
Phenolic Resin 439					_ <u>X</u>
Phenolic Resin 478					X
Pickle Liquor	Waste Acid Containing			X	X
Polybutadiene Resin	Dissolved Metals Synthetic Thermoplastic Polymer				X
Powdered Metals					 _
2-Propanone	Acetone	X			_X
Process CNSL		X		X	X

TABLE 4-2
CHEMICAL COMPOUNDS USED OR HANDLED AT THE RAYMARK FACILITY
FINAL REMEDIAL INVESTIGATION REPORT – AREA I
RAYMARK - FERRY CREEK - OU3
STRATFORD, CONNECTICUT
PAGE 3 OF 4

CHEMICAL	DESCRIPTION	INF	ORMATIC		
COMPOUND/MATERIAL		NO. 1	NO. 2	NO. 3	NO. 4
Raw Cashew Nut Oil		Х			X
RC 439	477 Saturant	Χ			
RC 845					X
Reclaimed City Water		Х			
Red Oxide	Iron Oxide		X		
Resin Solution CR04					X
Rinsate Water		·			X
Rubber	Polyisoprene		Х		
Rubber Cement			X		
Sartomer 845					X
Saturant 295E	90% Anacardic Acid; Sulfur Blistering	Х			
100	Compound	X			
Saturant 439		X			X
Saturant 451		~	 		X
Saturant 500-3				+	X
Saturant 500-F		X			
Saturant 8240					X
Saturant 850F					X
Saturant 851		 	 	+	$\frac{x}{x}$
Saturant RC 581					+ ~
Scrap Resin	Petroleum and Mineral Spirits	Х		 	
Scrap Saturant					X
#3 Sludge		<u> </u>			X
Soap Saturant 850F				<u> </u>	X_
Solvent 204		X			
Steel			X		X
Steel Wool			X		
Sulfuric Acid	Battery Acid	<u> </u>	X		
Tetrachloroethylene	Perchloroethylene (PCE)			X	+-,-
Textile Spirits					X
Toluene			_	X	X
Toluol	Cresol	X	X		
1,1,1-Trichloroethane (TCA)		X	X	X	
Trichloroethylene (TCE)				X	
Tung Oil		X			X

TABLE 4-2
CHEMICAL COMPOUNDS USED OR HANDLED AT THE RAYMARK FACILITY
FINAL REMEDIAL INVESTIGATION REPORT – AREA I
RAYMARK - FERRY CREEK - OU3
STRATFORD, CONNECTICUT
PAGE 4 OF 4

CHEMICAL	DESCRIPTION		INFORMATION SOURCES		
COMPOUND/MATERIAL		NO. 1	NO. 2	NO. 3	NO. 4
Unleaded Gasoline		X		1000	110. +
Varsol	Petroleum Aliphatic Solvents				Х
Varsol #18		X			X
Vegetable Oil					$\frac{\lambda}{X}$
VMP Naptha	Varnish; Petroleum Spirits	Х			^_
Waste Oil		X			
White Water		X	Х		X

Information Sources:

No. 1 - Overall Site Plan, Sheet No. S1 (ELI, 1993).

No. 2 - RCRA Facility Investigation Report, Section 2.0 (ELI, 1995).

No. 3 - RCRA Application, Part A, 8/15/80.

No. 4 - RCRA Application, Part B, 8/15/80.

TABLE 4-3 SUMMARY OF BACKGROUND CONCENTRATIONS IN SEDIMENT FINAL REMEDIAL INVESTIGATION REPORT – AREA I RAYMARK - FERRY CREEK - OU3 STRATFORD, CONNECTICUT

PARAMETER	FREQUENCY OF DETECTION(1)	AVERAGE CONC	ENTRATION ⁽²⁾
		value	units
Volatile Organic Compounds:			
1,1,1-Trichloroethane	0/4	9.88	ug/kg
1,1,2,2-Tetrachloroethane	0/4	9.88	ug/kg
1,1,2-Trichloroethane	0/4	9.88	ug/kg
1,1-Dichloroethane	0/4	9.88	ug/kg
1,1-Dichloroethene	0/4	9.88	ug/kg
1,2-Dichloroethane	0/4	9.88	ug/kg
1,2-Dichloroethene	0/4	9.88	ug/kg
1,2-Dichloropropane	0/4	9.88	ug/kg
2-Butanone	0/4	9.88	ug/kg
2-Hexanone	0/4	9.88	ug/kg
4-Methyl-2-Pentanone	0/4	9.88	ug/kg
Acetone	0/4	30.3	ug/kg
Benzene	0/4	9.88	ug/kg
Bromodichloromethane	0/4	9.88	ug/kg
Bromoform	0/4	9.88	ug/kg
Bromomethane	0/4	9.88	ug/kg
Carbon Disulfide	2/4	13.6	ug/kg
Carbon Tetrachloride	0/4	9.88	ug/kg
Chlorobenzene	0/4	9.88	ug/kg
Chloroethane	0/4	9.88	ug/kg
Chloroform	0/4	9.88	ug/kg
Chloromethane	0/4	9.88	ug/kg
cis-1,3-Dichloropropane	0/4	9.88	ug/kg
Dibromochloromethane	0/4	9.88	ug/kg
Ethylbenzene	0/4	9.88	ug/kg
Methylene Chloride	0/4	9.88	ug/kg
Styrene	0/4	9.88	ug/kg
1,1,2,2-Tetrachloroethane	0/4	9.88	ug/kg
Tetrachlorothene	0/4	9.88	ug/kg
Toluene	1/4	9.38	ug/kg
Total Xylenes	0/4	9.88	ug/kg
trans-1,3-Dichloropropane	0/4	9.88	ug/kg
Trichloroethene	0/4	9.88	ug/kg
Vinyl Chloride	0/4	9.88	ug/kg
Semivolatile Organic Compou			
1,2,4-Trichlorobenzene	0/4	615	ug/kg
1,2-Dichlorobenzene	0/4	615	ug/kg
1,3-Dichlorobenzene	0/4	615	ug/kg

TABLE 4-3
SUMMARY OF BACKGROUND CONCENTRATIONS IN SEDIMENT
FINAL REMEDIAL INVESTIGATION REPORT – AREA I
RAYMARK - FERRY CREEK - OU3
STRATFORD, CONNECTICUT
PAGE 2 OF 5

PARAMETER	FREQUENCY OF DETECTION(1)	AVERAGE CONC	ENTRATION(2)	
		value	units	
1,4-Dichlorobenzene	0/4	615	ug/kg	
2,2'-oxybis(1-Chloropropane)	0/4	615	ug/kg	
2,4,5-Trichlorophenol	0/4	1500	ug/kg	
2,4,6-Trichlorophenol	0/4	615	ug/kg	
2,4-Dichlorophenol	0/4	615	ug/kg	
2,4-Dimethylphenol	0/4	615	ug/kg	
2,4-Dinitrophenol	0/4	1500	ug/kg	
2,4-Dinitrotoluene	0/4	615	ug/kg	
2,6-Dinitrotoluene	0/4	615	ug/kg	
2-Chloronaphthalene	0/4	615	ug/kg	
2-Chlorophenol	0/4	615	ug/kg	
2-Methylnaphthalene	0/4	615	ug/kg	
2-Methylphenol	0/4	615	ug/kg	
2-Nitroaniline	0/4	1500	ug/kg	
2-Nitrophenol	0/4	615	ug/kg	
3,3'-Dichlorobenzidine	0/4	615	ug/kg	
3-Nitroaniline	0/4	1500	ug/kg	
4,6-Dinitro-2-methylphenol	0/4	1500	ug/kg	
4-Bromophenyl-phenylether	0/4	615	ug/kg	
4-Chloro-3-methylphenol	0/4	615	ug/kg	
4-Chloroaniline	0/4	615	ug/kg	
4-Chlorophenyl-phenylether	0/4	615	ug/kg	
4-Methylphenol	0/4	615	ug/kg	
4-Nitroaniline	0/4	1500	ug/kg	
4-Nitrophenol	0/4	1500	ug/kg	
Acenaphthene	0/4	615	ug/kg	
Acenaphthylene	0/4	615	ug/kg	
Anthracene	1/4	578	ug/kg	
Benzo(a)anthracene	2/4	2020	ug/kg	
Benzo(a)pyrene	1/4	1700	ug/kg	
Benzo(b)fluoranthene	3/4	3290	ug/kg	
Benzo(g,h,i)perylene	1/4	928	ug/kg	
Benzo(k)fluoranthene	0/4	615	ug/kg	
Bis(2-Chloroethoxy)Methane	0/4	615	ug/kg	
Bis(2-Chloroethyl)ether	0/4	615	ug/kg	
Bis(2-Ethylhexyl)phthalate	2/4	618	ug/kg	
Butylbenzylphthalate	0/4	615	ug/kg	
Carbazole	1/4	528	ug/kg	
Chrysene	2/4	1940	ug/kg	
Di-n-Butylphthalate	0/4	615	ug/kg	
Di-n-Octylphthalate	0/4	615	ug/kg	

TABLE 4-3
SUMMARY OF BACKGROUND CONCENTRATIONS IN SEDIMENT
FINAL REMEDIAL INVESTIGATION REPORT – AREA I
RAYMARK - FERRY CREEK - OU3
STRATFORD, CONNECTICUT
PAGE 3 OF 5

PARAMETER	FREQUENCY OF DETECTION(1)	AVERAGE CONCI	ENTRATION(2)
		value	units
Dibenzo(a,h)anthracene	1/4	753	ug/kg
Dibenzofuran	0/4	615	ug/kg
Di-n-butylphthalate	0/4	615	ug/kg
Diethylphthalate	0/4	615	ug/kg
Dimethylphthalate	0/4	615	ug/kg
Fluoranthene	4/4	3770	ug/kg
Fluorene	0/4	615	ug/kg
Hexachlorobenzene	0/4	615	ug/kg
Hexachlorobutadiene	0/4	615	ug/kg
Hexachlorocyclopentadiene	0/4	615	ug/kg
Indeno(1,2,3-cd)pyrene	1/4	1550	ug/kg
Isophorone	0/4	615	ug/kg
N-Nitroso-di-n-propylamine	0/4	615	ug/kg
N-Nitroso-diphenylamine	0/4	615	ug/kg
Naphthalene	0/4	615	ug/kg
Nitrobenzene	0/4	615	ug/kg
Pentachlorophenol	0/4	1500	ug/kg
Phenanthrene	2/4	1900	ug/kg
Phenol	0/4	615	ug/kg
Pyrene	4/4	2490	ug/kg
Pesticides/PCBs:			
4,4'-DDD	3/4	2.31	ug/kg
4,4'-DDE	2/4	1.04	ug/kg
4,4'-DDT	2/4	1.98	ug/kg
Aldrin	3/4	0.945	ug/kg
alpha-BHC	0/4	1.40	ug/kg
alpha-Chlordane	3/4	0.294	ug/kg
Aroclor-1016	0/4	16.9	ug/kg
Aroclor-1221	0/4	34.1	ug/kg
Aroclor-1232	0/4	16.9	ug/kg
Aroclor-1242	0/4	16.9	ug/kg
Aroclor-1248	0/4	16.9	ug/kg
Aroclor-1254	0/4	16.9	ug/kg
Aroclor-1260	0/4	16.9	ug/kg
Aroclor-1262	0/4	16.9	ug/kg
Aroclor-1268	0/4	16.9	ug/kg
beta-BHC	0/4	0.863	ug/kg
delta-BHC	0/4	0.863	ug/kg
Dieldrin	0/4	1.69	ug/kg
Endosulfan I	0/4	0.863	ug/kg
Endosulfan II	2/4	0.980	ug/kg

TABLE 4-3
SUMMARY OF BACKGROUND CONCENTRATIONS IN SEDIMENT
FINAL REMEDIAL INVESTIGATION REPORT – AREA I
RAYMARK - FERRY CREEK - OU3
STRATFORD, CONNECTICUT
PAGE 4 OF 5

PARAMETER	FREQUENCY OF DETECTION(1)	AVERAGE CONC	ENTRATION ⁽²⁾
		value	units
Endosulfan Sulfate	0/4	1.69	ug/kg
Endrin	3/4	1.18	ug/kg
Endrin Aldehyde	2/4	1.13	ug/kg
Endrin Ketone	0/4	1.69	ug/kg
gamma-BHC	0/4	0.79	ug/kg
gamma-Chlordane	2/4	2.04	ug/kg
Heptachlor	1/4	0.708	ug/kg
Heptachlor Epoxide	1/4	1.11	ug/kg
Methoxychlor	0/4	6.83	ug/kg
Toxaphene	0/4	86.3	ug/kg
Dioxins and Furans:			
1,2,3,4,6,7,8-HpCDD	4/4	0.110	ug/kg
1,2,3,4,6,7,8-HpCDF	4/4	0.0432	ug/kg
1,2,3,4,7,8,9-HpCDF	0/4	0.00405	ug/kg
1,2,3,4,7,8-HxCDD	2/4	0.00292	ug/kg
1,2,3,4,7,8-HxCDF	1/4	0.00243	ug/kg
1,2,3,6,7,8-HxCDD	2/4	0.00586	ug/kg
1,2,3,6,7,8-HxCDF	1/4	0.00184	ug/kg
1,2,3,7,8,9-HxCDD	1/4	0.00375	ug/kg
1,2,3,7,8,9-HxCDF	2/4	0.00290	ug/kg
1,2,3,7,8-PeCDD	0/4	0.00132	ug/kg
1,2,3,7,8-PeCDF	0/4	0.00181	ug/kg
2,3,4,6,7,8-HxCDF	0/4	0.00225	ug/kg
2,3,4,7,8-PeCDF	0/4	0.00173	ug/kg
2,3,7,8-TCDD	0/4	0.000373	ug/kg
2,3,7,8-TCDF	3/4	0.00419	ug/kg
OCDD	4/4	1.60	ug/kg
OCDF	4/4	0.116	ug/kg
Total HpCDD	4/4	0.260	ug/kg
Total HpCDF	4/4	0.231	ug/kg
Total HxCDD	4/4	0.0254	ug/kg
Total HxCDF	4/4	0.263	ug/kg
Total PeCDD	0/4	0.00132	ug/kg
Total PeCDF	4/4	0.402	ug/kg
Total TCDD	3/4	0.00277	ug/kg
Total TCDF	3/4	0.254	ug/kg
Toxicity Equivalency (TEQ)	4/4	0.00452	ug/kg
Metals:			
Aluminum	4/4	11500	mg/kg
Antimony	0/4	2.43	mg/kg
Arsenic	3/4	7.41	mg/kg

TABLE 4-3
SUMMARY OF BACKGROUND CONCENTRATIONS IN SEDIMENT
FINAL REMEDIAL INVESTIGATION REPORT – AREA I
RAYMARK - FERRY CREEK - OU3
STRATFORD, CONNECTICUT
PAGE 5 OF 5

PARAMETER	FREQUENCY OF DETECTION(1)	AVERAGE CONCENTRATION(2)	
		value	units
Barium	3/4	32.4	mg/kg
Beryllium	3/4	0.454	mg/kg
Cadmium	0/4	0.306	mg/kg
Calcium	4/4	2030	mg/kg
Chromium	4/4	60.8	mg/kg
Cobalt	4/4	8.68	mg/kg
Copper	4/4	161	mg/kg
Iron	4/4	22100	mg/kg
Lead	4/4	71.8	mg/kg
Magnesium	4/4	6250	mg/kg
Manganese	4/4	206	mg/kg
Mercury	3/4	0.623	mg/kg
Nickel	4/4	20.5	mg/kg
Potassium	3/4	2820	mg/kg
Selenium	0/4	0.941	mg/kg
Silver	0/4	0.530	mg/kg
Sodium	4/4	8320	mg/kg
Thallium	0/4	1.08	mg/kg
Vanadium	4/4	36.1	mg/kg
Zinc	4/4	134	mg/kg

Notes:

- (1) The locations and numbers or background samples collected were determined in concurrence with EPA. The frequency of detection denotes the number of times the compound/analyte was detected per the total number of samples that were analyzed.
- (2) The average background concentrations were calculated as the arithmetic average of the detected concentrations and ½ the detection limits for those compounds/analytes reported as undetected. The detection limits used in the calculation are the sample specific detection limits reported by the laboratory. These detection limits are based on the EPA CLP contract required quantitation limits (CRQLs) for organics, and contract required detection limits (CRDLs) for inorganics, and incorporate any associated sample dilution or solids content factors.

TABLE 4-4 SUMMARY OF BACKGROUND CONCENTRATIONS IN SURFACE WATER FINAL REMEDIAL INVESTIGATION REPORT – AREA I RAYMARK - FERRY CREEK - OU3

STRATFORD, CONNECTICUT

PARAMETER	R FREQUENCY OF AVERA		NCENTRATION (2)
		Value	Units
Volatile Organic Compounds:			
1,1,1-Trichloroethane	0/8	5	ug/l
1,1,2,2-Tetrachloroethane	0/8	5	ug/l
1,1,2-Trichloroethane	0/8	5	ug/l
1,1-Dichloroethane	0/8	5	ug/l
1,1-Dichloroethene	0/8	5	ug/l
1,2-Dichloroethane	0/8	5	ug/l
1,2-Dichloroethene	0/8	5	ug/l
1,2-Dichloropropane	0/8	5	ug/l
2-Butanone	0/8	5	ug/l
2-Hexanone	0/8	5	ug/l
4-Methyl-2-Pentanone	0/8	5	ug/l
Acetone	1/8	6.13	ug/l
Benzene	0/8	5	ug/l
Bromodichloromethane	0/8	5	ug/l
Bromoform	0/8	5	ug/l
Bromomethane	0/8	5	ug/l
Carbon Disulfide	1/8	4.75	ug/l
Carbon Tetrachloride	0/8	5	ug/l
Chlorobenzene	0/8	5	ug/l
Chloroethane	0/8	5	ug/l
Chloroform	0/8	5	ug/l
Chloromethane	0/8	5	ug/l
cis-1,3-Dichloropropane	0/8	5	ug/l
Dibromochloromethane	0/8	5	ug/l
Ethylbenzene	0/8	5	ug/l
Methylene Chloride	0/8	5	ug/l
Styrene	0/8	5	ug/l
1,1,2,2-Tetrachloroethane	0/8	5	ug/l
Tetrachlorothene	0/8	5	ug/l
Toluene	0/8	5	ug/l
Total Xylenes	0/8	5	ug/l
trans-1,3-Dichloropropane	0/8	5	ug/l
Trichloroethene	0/8	5	ug/l
Vinyl Chloride	0/8	5	ug/l
Semivolatile Organic Compou	nds:		
1,2,4-Trichlorobenzene	0/8	5	ug/l
1,2-Dichlorobenzene	0/8	5	ug/l
1,3-Dichlorobenzene	0/8	5	ug/l

TABLE 4-4
SUMMARY OF BACKGROUND CONCENTRATIONS IN SURFACE WATER
FINAL REMEDIAL INVESTIGATION REPORT – AREA I
RAYMARK - FERRY CREEK - OU3
STRATFORD, CONNECTICUT
PAGE 2 OF 4

PARAMETER	FREQUENCY OF DETECTION (1)	AVERAGE CO	NCENTRATION (2)
		Value	Units
1,4-Dichlorobenzene	0/8	5	ug/l
2,2'-oxybis(1-Chloropropane)	0/8	5	ug/l
2,4,5-Trichlorophenol	0/8	5	ug/l
2,4,6-Trichlorophenol	0/8	12.5	ug/l
2,4-Dichlorophenol	0/8	5	ug/l
2,4-Dimethylphenol	0/8	5	ug/l
2,4-Dinitrophenol	0/8	12.5	ug/l
2,4-Dinitrotoluene	0/8	5	ug/l
2,6-Dinitrotoluene	0/8	5	ug/l
2-Chloronaphthalene	0/8	5	ug/l
2-Chlorophenol	0/8	5	ug/l
2-Methylnaphthalene	0/8	5	ug/l
2-Methylphenol	0/8 5	ug/l	
2-Nitroaniline	0/8	12.5	ug/l
2-Nitrophenol	0/8	5	ug/l
3,3'-Dichlorobenzidine	0/8	5	ug/l
3-Nitroaniline	0/8	5	ug/l
4,6-Dinitro-2-methylphenol	0/8	12.5	ug/l
4-Bromophenyl-phenylether	0/8	5	ug/l
4-Chloro-3-methylphenol	0/8	5	ug/l
4-Chloroaniline	0/8	5	ug/l
4-Chlorophenyl-phenylether	0/8	5	ug/l
4-Methylphenol	0/8	5	ug/l
4-Nitroaniline	0/8	12.5	ug/l
4-Nitrophenol	0/8	12.5	ug/l
Acenaphthene	0/8	5	ug/l
Acenaphthylene	0/8	5	ug/l
Anthracene	0/8	5	ug/l
Benzo(a)anthracene	0/8	5	ug/l
Benzo(a)pyrene	0/8	5	ug/l
Benzo(b)fluoranthene	0/8	5	ug/l
Benzo(g,h,i)perylene	0/8	5	ug/l
Benzo(k)fluoranthene	0/8	5	ug/l
Bis(2-Chloroethoxy)Methane	0/8	5	ug/l
Bis(2-Chloroethyl)ether	0/8	5	ug/l
Bis(2-Ethylhexyl)phthalate	0/8	5	ug/l
Butylbenzylphthalate	0/8	5	ug/l
Carbazole	0/8	5	ug/l
Chrysene	0/8	5	ug/l
Di-n-Butylphthalate	0/8	5	ug/l
Di-n-Octylphthalate	0/8	5	ug/l

TABLE 4-4
SUMMARY OF BACKGROUND CONCENTRATIONS IN SURFACE WATER
FINAL REMEDIAL INVESTIGATION REPORT – AREA I
RAYMARK - FERRY CREEK - OU3
STRATFORD, CONNECTICUT
PAGE 3 OF 4

PARAMETER	FREQUENCY OF DETECTION (1)	AVERAGE CO	NCENTRATION (2)
		Value	Units
Dibenzo(a,h)anthracene	0/8	5	ug/l
Dibenzofuran	0/8	5	ug/l
Di-n-butylphthalate	0/8	5	ug/l
Diethylphthalate	0/8	5	ug/l
Dimethylphthalate	0/8	5	ug/l
Fluoranthene	0/8	5	ug/l
Fluorene	0/8	5	ug/l
Hexachlorobenzene	0/8	5	ug/l
Hexachlorobutadiene	0/8	5	ug/l
Hexachlorocyclopentadiene	0/8	5	ug/l
Indeno(1,2,3-cd)pyrene	0/8	5	ug/l
Isophorone	0/8	5	ug/l
N-Nitroso-di-n-propylamine	0/8	5	ug/l
N-Nitroso-diphenylamine	0/8	5	ug/l
Naphthalene	0/8	5	ug/l
Nitrobenzene	0/8	5	ug/l
Pentachlorophenol	0/8	12.5	ug/l
Phenanthrene	0/8	5	ug/l
Phenol	0/8	5	ug/l
Pyrene	0/8	5	ug/l
Pesticides/PCBs:			
4,4'-DDD	0/8	0.05	ug/l
4,4'-DDE	0/8	0.05	ug/l
4,4'-DDT	0/8	0.125	ug/l
Aldrin	0/8	0.025	ug/l
alpha-BHC	1/8	0.0222	ug/l
alpha-Chlordane	1/8	0.0220	ug/l
Arocior-1016	0/8	0.531	ug/l
Aroclor-1221	0/8	0.5	ug/l
Aroclor-1232	0/8	0.344	ug/l
Aroclor-1242	0/8	0.344	ug/l
Aroclor-1248	0/8	0.344	ug/l
Aroclor-1254	0/8	0.344	ug/l
Aroclor-1260	0/8	0.344	ug/l
Aroclor-1262	0/8	0.344	ug/l
Aroclor-1268	0/8	0.344	ug/l
beta-BHC	0/8	0.025	ug/l
delta-BHC	0/8	0.025	ug/l
Dieldrin	0/8	0.05	ug/l
Endosulfan I	0/8	0.025	ug/l
Endosulfan II	0/8	0.05	ug/l

TABLE 4-4
SUMMARY OF BACKGROUND CONCENTRATIONS IN SURFACE WATER
FINAL REMEDIAL INVESTIGATION REPORT – AREA I
RAYMARK - FERRY CREEK - OU3
STRATFORD, CONNECTICUT
PAGE 4 OF 4

PARAMETER	FREQUENCY OF DETECTION (1)	AVERAGE COM	NCENTRATION (2)				
		Value	Units				
Endosulfan Sulfate	0/8	0.05	ug/l				
Endrin	0/8	0.05	ug/l				
Endrin Aldehyde	0/8	0.0406	ug/l				
Endrin Ketone	0/8	0.05	ug/l				
gamma-BHC	0/8	0.0235	ug/l				
gamma-Chlordane	0/8	0.953	ug/l				
Heptachlor	0/8	0.025	ug/l				
Heptachlor Epoxide	1/8	0.0221	ug/l				
Methoxychlor	0/8	0.15	ug/l				
Toxaphene	0/8	1.75	ug/l				
Metals:							
Aluminum	4/8	156	ug/l				
Antimony	2/8	4.36	ug/l				
Arsenic	1/8	14.3	ug/l				
Barium	6/8	17.1	ug/l				
Beryllium	0/8	0.456	ug/l				
Cadmium	0/8	0.963	ug/l				
Calcium	8/8	220000	ug/l				
Chromium	1/8	4.98	ug/l				
Cobalt	1/8	1.19	ug/l				
Copper	5/8	19.8					
Iron	8/8	698					
Lead	0/8	3.94					
Magnesium	8/8	691000					
Manganese	8/8	135					
Mercury	1/8	0.149					
Nickel	0/8	4.60					
Potassium	8/8	344000	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l				
Selenium	0/8	5.13	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l				
Silver	0/8	5.07					
Sodium	8/8	6920000					
Thallium	1/8	10.2					
Vanadium	3/8	2.08					
Zinc	5/8	30.1	ug/l				

Notes:

(1) The locations and numbers or background samples collected were determined in concurrence with EPA. The frequency of detection denotes the number of times the compound/analyte was detected per the total number of samples that were analyzed.

TABLE 4-4
SUMMARY OF BACKGROUND CONCENTRATIONS IN SURFACE WATER
FINAL REMEDIAL INVESTIGATION REPORT – AREA I
RAYMARK - FERRY CREEK - OU3
STRATFORD, CONNECTICUT
PAGE 5 OF 4

(2) The average background concentrations were calculated as the arithmetic average of the detected concentrations and ½ the detection limits for those compounds/analytes reported as undetected. The detection limits used in the calculation are the sample specific detection limits reported by the laboratory. These detection limits are based on the EPA CLP contract required quantitation limits (CRQLs) for organics, and contract required detection limits (CRDLs) for inorganics, and incorporate any associated sample dilution or solids content factors.

TABLE 4-5 SUMMARY OF BACKGROUND CONCENTRATIONS IN SOIL FINAL REMEDIAL INVESTIGATION REPORT – AREA I RAYMARK - FERRY CREEK - OU3 STRATFORD, CONNECTICUT

PARAMETER	FREQUENCY OF DETECTION	AVERAGE CON	CENTRATION (2)
		value	units
Pesticides/PCBs:			
4,4'-DDD	0/35	4.60	ug/kg
4,4'-DDE	12/34	16.7	ug/kg
4,4'-DDT	13/34	29.1	ug/kg
Aldrin	0/36	2.41	ug/kg
alpha-BHC	0/36	2.41	ug/kg
alpha-Chlordane	9/35	4.88	ug/kg
Aroclor-1016	0/37	49.9	ug/kg
Aroclor-1221	0/37	93.0	ug/kg
Aroclor-1232	0/37	47.0	ug/kg
Aroclor-1242	0/37	46.1	ug/kg
Aroclor-1248	0/37	46.1	ug/kg
Aroclor-1254	0/37	46.1	ug/kg
Aroclor-1260	0/37	46.1	ug/kg
Aroclor-1262	0/27	36.8	ug/kg
Aroclor-1268	0/37	46.1	ug/kg
beta-BHC	0/35	2.39	ug/kg
delta-BHC	0/35	2.32	ug/kg
Dieldrin	8/33	13.1	ug/kg
Endosulfan I	3/35	4.52	ug/kg
Endosulfan II	5/36	4.72	ug/kg
Endosulfan Sulfate	0/36	4.69	ug/kg
Endrin	1/36	4.77	ug/kg
Endrin Aldehyde	1/36	4.56	ug/kg
Endrin Ketone	4/35	5.31	ug/kg
gamma-BHC	0/36	2.41	ug/kg
gamma-Chlordane	6/34	2.67	ug/kg
Heptachlor	1/35	2.19	ug/kg
Heptachlor Epoxide	2/35	2.33	ug/kg
Methoxychlor	4/34	22.3	ug/kg
Toxaphene	2/35	236	ug/kg
Metals:			
Aluminum	39/39	12900	mg/kg
Antimony	0/37	2.86	mg/kg
Arsenic	39/39		
Barium	39/39	57.5	mg/kg
Beryllium	34/39	0.719	mg/kg

TABLE 4-5
SUMMARY OF BACKGROUND CONCENTRATIONS IN SOIL
FINAL REMEDIAL INVESTIGATION REPORT – AREA
RAYMARK - FERRY CREEK
OPERABLE UNIT NO. 3
STRATFORD, CONNECTICUT
PAGE 2 OF 2

PARAMETER	FREQUENCY OF DETECTION	AVERAGE COM	NCENTRATION (2)
		value	units
Cadmium	8/39	0.397	mg/kg
Calcium	39/39	1600	mg/kg
Chromium	39/39	17.0	mg/kg
Cobalt	29/39	6.35	mg/kg
Copper	37/38	28.8	mg/kg
Iron	39/39	16000	
Lead	36/39	80.8	mg/kg mg/kg
Magnesium	39/39	3250	
Manganese	39/39	306	mg/kg
Mercury	25/39	0.111	mg/kg
Nickel	2/39	12.5	mg/kg
Potassium	24/39	961	mg/kg
Selenium	6/39	0.499	mg/kg
Silver	2/39	0.508	mg/kg
Sodium	21/34	76.4	mg/kg
Thallium	0/39	0.368	mg/kg
Vanadium	38/39		mg/kg
Zinc	39/39	34.2	mg/kg
	39/39	112	mg/kg

Notes:

- (1) The locations and numbers or background samples collected were determined in concurrence with EPA. The frequency of detection denotes the number of times the compound/analyte was detected per the total number of samples that were analyzed.
- (2) The average background concentrations were calculated as the arithmetic average of the detected concentrations and ½ the detection limits for those compounds/analytes reported as undetected. The detection limits used in the calculation are the sample specific detection limits reported by the laboratory. These detection limits are based on the EPA CLP contract required quantitation limits (CRQLs) for organics, and contract required detection limits (CRDLs) for inorganics, and incorporate any associated sample dilution or solids content factors.

TABLE 4-6 AREA A-1: SAMPLES COLLECTED AND ANALYSES PERFORMED FINAL REMEDIAL INVESTIGATION REPORT - AREA I RAYMARK - FERRY CREEK, OU3 STRATFORD, CONNECTICUT

г		-	<u> </u>		INT	ERVAL	Ī	CLP							ΤC	LP			OTH	HER		
AREA	MATRIX	CONTRACTOR	SAMPLE DATE	SAMPLE LOCATION	TOP (ff bgs)	BOπOM (fi	8			DIOXINS/FURANS	METALS	ASBESTOS	TOC	TCLP VOCs	TCLP SVOCs	TCLP PEST/PCBs	TCLP METALS	SPLP METALS	PCB CONGENERS	PAH (BIOTA ONLY)	SCREENING METALS	
A1	SEDIMENT	B&RE		OU3-A1-SD01-0002				++	+	-	+	+	+			-			 	\vdash		
Al	SEDIMENT	B&RE		OU3-A1-SD01-0812	8		_	+	-	╂	┼		+	 		-		-	-		\vdash	
A1	SEDIMENT	B&RE		OU3-A1-SD01-1620	10		1-	-		+-	-	├ ─	+		-	├	\vdash	├	-	Г	1	
A1	SEDIMENT	B&RE	10-Jul-97	OU3-A1-SD02-0002		<u> </u>	2	++		┼	+	+	+		├		<u> </u>	 	+-	\vdash	\vdash	
A1	SEDIMENT	B&RE	10-Jul-97	OU3-A1-SD02-0204	1 2	2	4 +	+	+	-	<u>+</u>	+	+	├	├		-	├-	\vdash	\vdash	 	
Al	SEDIMENT	B&RE	24-Jul-97	OU3-A1-SD02-0208	1	2	В	—	+-		╁	├	+	├	1 -	├─	 	╁	╁	<u> </u>	┢═	
Al	SEDIMENT	B&RE	24-Jul-97	OU3-A1-SD02-1418	14		+	4	+-	+	+		+	-	├	╁	-	┼-	+	├─	\vdash	
Al	SEDIMENT	B&RE	09-Jul-97	OU3-A1-SD03-0002			2 +	1	<u>+</u>	+	+	+	+	├	├ ─	├	⊢	+-	+	├─	├-	
A1	SEDIMENT	B&RE	18-Jul-97	OU3-A1-SD03-0010		1	-		-	-	┼-	-	+	├		├	⊢	╁	 	一	 	
A1	SEDIMENT	B&RE	09-Jul-97	OU3-A1-SD03-0204		2	4 <u>+</u>		+	+	+-	+	+	┼	┼	\vdash	├	┼─	 	├-	 	
Al	SEDIMENT	B&RE	18-Jul-97	OU3-A1-SD03-1020	10		<u> </u>	+	+	-	╁	┼	+	 -	├	 	+-	+	\vdash	 	\vdash	
Al	SEDIMENT	B&RÉ	10-Jul-97	OU3-A1-SD04-0002		<u> </u>	4_	┵	_	1	+	++	+	┼	┼-	┢	╁─	+	+-	╁	+	
A1	SEDIMENT	B&RE	10-Jul-97	OU3-A1-SD04-0204		<u> </u>	4		+	-	+	+	+	+-	┼	\vdash	-	+-	+	\vdash	╁	
Al	SEDIMENT	B&RE	30-Jul-97	OU3-A1-SD05-0812			2		-	4-		—	++	-	├ ─	┼─	\vdash	+-	╁─	\vdash	 	
Al	SEDIMENT	B&RE	30-Jul-97	OU3-A1-SD05-1216	1:		6	<u> </u>	-	-		↓ —	+	├ -	╁	╁╌	\vdash	+-	+-	+-	╁─	
Al	SEDIMENT	B&RE	23-Jul-97	OU3-A1-SD06-0812			2	_	-	┷-	4-	╁	+	╁	┼	-	╁	+	+-	╁	+-	
Al	SEDIMENT	B&RE	23-Jul-97	OU3-A1-SD06-1215	1		5	-			+-	+	+	╄	1	╁	┼	+	+-	+-	+	
Al	SEDIMENT	B&RE	23-Jul-97	OU3-A1-SD06-1519		~	9	- -	_	—	╄-	┿	++	 	╁	┼	+	+-	╁╌	+-	╁	
Al	SEDIMENT	B&RE	09-Aug-94	RM-SD-MF01-01			5_	+ -	<u> </u>		_	\vdash	-	┼—	╁	+-	1	-	+	╁	+	
Al	SEDIMENT	B&RE	07-Nov-94	RM-SD-MF01-02		0 0	\rightarrow	-	+ +			1-	4	┼-	╂—	+	┼	+-	+-	+	+-	
Al	SEDIMENT	B&RE	09-Aug-94	RM-SD-MF02-01		0 0	_	_		+		+	+-	+	+	+	1-	+	+	+	+	
Al	SEDIMENT	B&RE	09-Nov-94	RM-SD-MF02-02		<u>o o</u>	_		+ -			4	+	-	+	+	+	+	+	+-	+-	
Al	SEDIMENT	B&RE	17-Apr-95	RM-SD-MF02-03		0 0	_	+ -	+ -	<u> </u>	-	_	-	+-	-	+	+	+-	+-	+-	+-	
Al	SEDIMENT	B&RE	17-Apr-95	RM-SD-MF03-03			.5	+	+ -	+			+-	┼	 	+	1	+-	+	+-	+	
Al	SEDIMENT	B&RE	17-Apr-95	RM-SD-MF2D-03	0.		_	+	+ -	+	+		╌		+-	+	+-	╂	+-	+-	+-	
Al	SEDIMENT	WESTON/TAT	19-Aug-93	SCT A+138			.5			4	-	+	+-	+-	+	4—	+-	+-	+	+	++	
Al	SEDIMENT	WESTON/TAT	24-Sep-92	SD-16			_			+				-	+	+-	╂	+-	+	+	+-	
Al	SEDIMENT	WESTON/TAT	24-Sep-92	SD-17				_	_	+			+-	+-	+	+		+-	+	+	+-	
Al	SEDIMENT	WESTON/TAT	24-Sep-92	SD-18				+	+ -	- +	+	$\overline{}$	+	+	+-	+	+	+	+-	+-	╁	
Al	SEDIMENT	WESTON/TAT	19-Aug-93	SLE-CR+100			.5	\dashv			+	 +		+	+-	+-	+-	+	╁	+-	+	
Al	SEDIMENT	WESTON/TAT	19-Aug-93	SLE-CR+200			1.5			-	-	+	_	-	-	+	-	+	+-	+-	$+^{+}$	
Al	SEDIMENT	WESTON/TAT	19-Aug-93	SLE-CR+300			.5			+	+	_	_	+-		+-	+		+	+	+-	
ΔΊ	SEDIMENT	WESTON/TAT	19-Aug-93	SLE-CR+400	_!	0 0),5			L_		+			<u> —</u>				ــــــــــــــــــــــــــــــــــــــ	<u>-</u> '	<u>_</u>	

TABLE 4-6
AREA A-1: SAMPLES COLLECTED AND ANALYSES PERFORMED
FINAL REMEDIAL INVESTIGATION REPORT - AREA I
RAYMARK - FERRY CREEK, OU3
STRATFORD, CT
PAGE 2 OF 20

		,			INT	ERVAL				CLP					TC	LP			OTI	HER	
AREA	MATRIX	CONTRACTOR	SAMPLE DATE	SAMPLE LOCATION	TOP (ff bgs)	BOTTOM (fl	VOCs	svocs	PEST/PCBs	DIOXINS/FURANS	METALS	ASBESTOS	TOC	TCLP VOCs	TCLP SVOCs	TCLP PEST/PCBs	TCLP METALS	SPLP METALS	PCB CONGENERS	PAH (BIOTA ONLY)	SCREENING METALS
Al	SEDIMENT	WESTON/TAT	19-Aug-93	SLE-CR+460	C	0.5						+									+
Αï	SEDIMENT	WESTON/TAT	19-Aug-93	SLE-CR+500		0.5						+									+
Αì	SEDIMENT	WESTON/TAT	19-Aug-93	SLE-CR+600		0.5	<u> </u>	<u> </u>		L.,		+			L				igsqcup		+
Αì	SEDIMENT	WESTON/TAT	19-Aug-93	SLE-CR+640		0.5		<u> </u>				+			L				\bigsqcup	Ш	+
Al	SOIL	B&RE	04-Apr-94	MF-SO-MW101D-0002	C	2	2	<u> </u>	<u> </u>			+			ļ				لــــا	$ldsymbol{ld}}}}}}$	+
Al	SOIL	B&RE	04-Apr-94	MF-SO-MW101D-0204A	2	4	1	ļ	<u> </u>			+								Ш	+
A1	SOIL	B&RE	04-Apr-94	MF-SO-MW101D-0204B	2	4	1			<u> </u>		+									+
Αl	SOIL	B&RE	04-Apr-94	MF-SO-MW101D-0406A			·			<u> </u>		+									+
Αì	SOIL	B&RE	04-Apr-94	MF-SO-MW101D-0406B		ć						+			ļ		L			L	+
Al	SOIL	B&RE	04-Apr-94	MF-SO-MW101D-0608		8	+	+	+	+	+	+		L							
Al	SOIL	B&RE	04-Apr-94	MF-SO-MW101D-0810	8	10						+									<u>L</u>
Al	SOIL	B&RE	04-Apr-94	MF-SO-MW101D-0810A	1	10						+									+
Al	SOIL	B&RE	04-Apr-94	MF-SO-MW101D-0810B	8	10						+									+
A1	SOIL	B&RE	04-Apr-94	MF-SO-MW101D-1012	10	12						+									+
A1	SOIL	B&RE	05-Apr-94	MF-SO-MW101D-1416	14	16						+									+
A1	SOIL	B&RE	05-Apr-94	MF-SO-MW101D-1618	16	18	3					+									+
Al	SOIL	B&RE	05-Apr-94	MF-SO-MW101D-1618A	16	18	3					+			1				\Box		+
A1	SOIL	B&RE	05-Apr-94	MF-SQ-MW101D-1618B	16	18	3					+			<u> </u>				\Box		+
A1	SOIL	B&RE	05-Apr-94	MF-SO-MW101D-1820	18	20		1	1	<u> </u>		+									+
Al	SOIL	B&RE	05-Apr-94	MF-SO-MW101D-2022	20			1		1		+							\Box		+
Al	SOIL	B&RE	05-Apr-94	MF-SO-MW101D-2224	22			1		t		+									+
Al	SOIL	B&RE	05-Apr-94	MF-SO-MW101D-2426	24		_	1	1			+									+
Ai	SOIL	B&RE	05-Apr-94	MF-SO-MW101D-2830	28			+	+	+	+	+					 				
Al	SOIL	B&RE	05-Apr-94	MF-SO-MW101D-3032	30			† -	ΙĖ	Ė	⇈	+			i –				\Box		+
Ai	SOIL	B&RE	05-Apr-94	MF-SO-MW101D-3234	32			1				+		l	<u> </u>					Г	+
Al	SOIL	B&RE	05-Apr-94	MF-SO-MW101D-3436	34			1	<u> </u>	1		+		 					\vdash	┢	+
A1	SOIL	B&RE	05-Apr-94	MF-SO-MW101D-3638	36			 	\vdash	t	\vdash	+						1			+
A1	SOIL	B&RE	05-Apr-94	MF-SO-MW101D-3840	38		_	1	1	1	Г	+		 				\Box			+
A1	SOIL	B&RE	05-Apr-94	MF-SO-MW101D-4042	40		_	1	1	\vdash	1	+			1						+
Al	SOIL	B&RE	05-Apr-94	MF-SO-MW101D-4244	42		-	†	†			+									+
Al	SOIL	B&RE	05-Apr-94	MF-SO-MW101D-4446	4/		_	1	<u> </u>	t	\vdash	+								Г	+
Al	SOIL	B&RE	05-Apr-94	MF-SO-MW101D-4648	46		+	T^{-}	t	t	\vdash	+							\vdash	М	+
Al	SOIL	B&RE	06-Apr-94	MF-SO-MW101D-4850	48			+	+	+	1	†		<u> </u>	t					Г	广

1

TABLE 4-6
AREA A-1: SAMPLES COLLECTED AND ANALYSES PERFORMED
FINAL REMEDIAL INVESTIGATION REPORT - AREA I
RAYMARK - FERRY CREEK, OU3
STRATFORD, CT
PAGE 3 OF 20

					INI	ERVAL	Ī		12.4672	CLP					TC	LP			OTI	HER	\neg
AREA	MATRIX	CONTRACTOR	SAMPLE DATE	SAMPLE LOCATION	TOP	BOΠOM (f	VOCs	svocs	PEST/PCBs	DIOXINS/FURANS	METALS	ASBESTOS	10C	TCLP VOCs	TCLP SVOCs	TCLP PEST/PCBs	TCLP METALS	SPLP METALS	PCB CONGENERS	PAH (BIOTA ONLY)	SCREENING METALS
A1	SOIL	B&RE	06-Apr-94	MF-SO-MW101D-5456	54	5						+									+
Al	SOIL	B&RE	06-Apr-94	MF-SO-MW101D-5658	56	5	8					+									+
Al	SOIL	B&RE	06-Apr-94	MF-SO-MW101D-5860	58	6	0					+									+
Al	SOIL	B&RE	06-Apr-94	MF-SO-MW101D-6062	60	6	2					+									+
A1	SOIL	B&RE	06-Apr-94	MF-SO-MW101D-6264	62	6	4					+									+
A1	SOIL	B&RE	06-Apr-94	MF-SO-MW101D-6466	64	6	6					+									+
A1	SOIL	B&RE	07-Apr-94	MF-SO-MW101D-6870	68	7	0					+					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				+
A1	SOIL	B&RE	07-Apr-94	MF-SO-MW101D-7072	70	7.	2					+									+
Al	SOIL	B&RE	04-Apr-94	MF-SO-MW102-0002	0		2	1				+									+
A1	SOIL	B&RE	04-Apr-94	MF-SO-MW102-0204	2		4					+									+
A1	SOIL	B&RE	04-Apr-94	MF-SO-MW102-0406	4		6 +	+	+	+	+	+									\Box
A1	SOIL	B&RE	04-Apr-94	MF-SO-MW102-0608A	6		8					+									+
A1	SOIL	B&RE	04-Apr-94	MF-SO-MW102-0608B	6		8					+									+
A1	SOIL	B&RE	04-Apr-94	MF-SO-MW102-0810	8	10	o					+								\Box	+
A1	SOIL	B&RE	04-Apr-94	MF-SO-MW102-1012	10	1:	2					+									+
<u>A1</u>	SOIL	B&RE	05-Apr-94	MF-SO-MW102-1214	. 12	1.	4					+									+
<u>A</u> 1	SOIL	B&RE	05-Apr-94	MF-SO-MW102-1618	16	1:	8					+									+
A1	SOIL	B&RE	05-Apr-94	MF-SO-MW102-1820	18	20	ol	1				+	T								+
<u>A1</u>	SOIL	B&RE	05-Apr-94	MF-SO-MW102-2022	20	2:	2					+									+
Al	SOIL	B&RE	05-Apr-94	MF-SO-MW102-2224	22	2		+	+	+	+	+									\neg
A1	SOIL	B&RE		MF-SO-MW102-2426	24	20	6					+								\Box	+
A1	SOIL	B&RE	05-Apr-94	MF-SO-MW102-2628	26	2	8					+	ヿ							\Box	+
A1	SOIL	B&RE	05-Apr-94	MF-SO-MW102-2830	28	30						+	ヿヿ゙								+
A1	SOIL	B&RE	05-Apr-94	MF-SO-MW102-3032	30		_					+									+
A1	SOIL	B&RE	11-Apr-94	MF-SO-MW102-3436	34	36	6	Π				+									+
A1	SOIL	B&RE		MF-SO-MW102-3638	36		_	Γ				+		\neg						\Box	+
A1	SOIL	B&RE	12-Apr-94	MF-SO-MW102-3840	38		0					+									+
Al	SOIL	B&RE	12-Apr-94	MF-SO-MW102-4042	40	4:	2					+							$\neg \dagger$	\Box	+
A1	SOIL	B&RE	12-Apr-94	MF-SO-MW102-4244	42	4	4 +	+	+	+	+	+	一							\Box	
Αì	SOIL	B&RE	12-Apr-94	MF-SO-MW102-4446	44		6					+							一		+
A1	SOIL	B&RE	12-Apr-94	MF-SO-MW102-4648	46	48	В					+									+
A1	SOIL	B&RE	12-Apr-94	MF-SO-MW102-4850	48							+							\neg	$\neg \dagger$	+
L	SOIL	B&RE	12-Apr-94	MF-SO-MW102-5052	50							+		\neg					-	$\neg \dagger$	+

TABLE 4-6
AREA A-1: SAMPLES COLLECTED AND ANALYSES PERFORMED
DRAFT REMEDIAL INVESTIGATION REPORT
FINAL REMEDIAL INVESTIGATION REPORT - AREA I
STRATFORD, CT
PAGE 4 OF 20

					INT	ERVAL		CLP							TCLP					OTHER			
AREA	MATRIX	CONTRACTOR	SAMPLE DATE	SAMPLE LOCATION	TOP (ff bgs)	BOTTOM (fl	VOCs	SVOCs	PESI/PCBs	DIOXINS/FURANS	METALS	ASBESTOS	TOC	TCLP VOCs	TCLP SVOCs	TCLP PEST/PCBs	TCLP METALS	SPLP METALS	PCB CONGENERS	PAH (BIOTA ONLY)	SCREENING METALS		
Αl	SOIL	B&RE	12-Apr-94	MF-SO-MW102-5254	52						L	+						L	$oxed{oxed}$	$oxed{\Box}$	+		
Al	SOIL	B&RE	12-Apr-94	MF-SO-MW102-5456	54		5		<u> </u>	ļ		+					L	L	$oldsymbol{ol}}}}}}}}}}}}}}}}}}$	oxdot	+		
A۱	SOIL	B&RE	12-Apr-94	MF-SO-MW102-5658	56		-			<u> </u>	<u> </u>	+			<u> </u>		<u> </u>	<u> </u>	$oldsymbol{\downarrow}$	<u> </u>	+		
Αl	SOIL	B&RE	12-Apr-94	MF-SO-MW102-5860	58			↓	<u> </u>			+		<u> </u>	<u> </u>	ļ		<u> </u>	ــــــ		+		
A۱	SOIL	B&RE	13-Apr-94	MF-SO-MW102-6062	60		2		<u> </u>	<u> </u>		+		<u> </u>	<u> </u>		<u> </u>	<u> </u>	$ldsymbol{ol}}}}}}}}}}}}}}$	↓_	+		
Αl	SOIL	B&RE	13-Apr-94	MF-SO-MW102-6264	62		-		<u> </u>	L.	ļ	+		Ь	<u> </u>	Ь.		<u> </u>	igspace	╙	+		
Αl	SOIL	B&RE	13-Apr-94	MF-SO-MW102-6466	64			1	1	<u> </u>	<u> </u>	+	<u> </u>	<u> </u>	L			<u> </u>	↓_	↓	+		
Αl	SOIL	B&RE	13-Apr-94	MF-SO-MW102-6668	66					<u> </u>		+		<u> </u>		<u> </u>		ļ	₩	ــــــ	+		
Al	SOIL	B&RE	13-Apr-94	MF-SO-MW102-6870	68					<u> </u>		+	L	<u> </u>	<u> </u>	<u> </u>		<u> </u>	╙	ـــــ	+		
Αl	SOIL	B&RE	13-Apr-94	MF-SO-MW102-7072	70				<u> </u>			+				<u> </u>	ļ	<u> </u>	⊥	<u> </u>	+		
Al	SOIL	B&RE	13-Apr-94	MF-SO-MW102-7476	74						<u> </u>	+			<u> </u>		L_	<u> </u>	<u> </u>	↓_	+		
Αl	SOIL	B&RE	13-Apr-94	MF-SO-MW102-7678	76		3	<u> </u>		L		+			$oxed{oxed}$			<u> </u>	$oldsymbol{ol}}}}}}}}}}}}}}}}}$	丄	+		
Al	SOIL	B&RE	13-Apr-94	MF-SO-MW102-7880	78			+	+	+	+	+		<u> </u>			<u> </u>			⊥ _	$oldsymbol{ol}}}}}}}}}}}}}}}}}$		
Al	SOIL	B&RE	18-Apr-94	MF-SO-MW102-98100	98		<u>+ (c</u>	+	+	+	+										$oldsymbol{ol}}}}}}}}}}}}}}}}}$		
Αl	SOIL	B&RE	19-Apr-94	MF-SO-MW102D-103105	103		5		1	<u> </u>	<u> </u>	+						<u> </u>			+		
Al	SOIL	B&RE	19-Apr-94	MF-SO-MW102D-108110	108							+								$oldsymbol{ol}}}}}}}}}}}}}}}}}$	+		
Al	SOIL	B&RE	20-Apr-94	MF-SO-MW102D-113115	113	115	5	l				+						L_	$oldsymbol{ol}}}}}}}}}}}}}}}}}$	\perp	+		
Al	SOIL	B&RE	18-Apr-94	MF-SO-MW102D-8082	80	82	2				<u> </u>	+	<u></u>						<u> </u>		+		
A۱	SOIL	B&RE	18-Apr-94	MF-SO-MW102D-8789	87							+				L		<u> </u>		丄	+		
Αl	SOIL	B&RE	18-Apr-94	MF-SO-MW102D-9395	93		5					+								<u></u>	+		
A1	SOIL	B&RE	18-Apr-94	MF-SO-MW102D-98100	98	100			<u> </u>			+									<u> </u>		
Al	SOIL	B&RE	13-Apr-94	MF-SO-MW103-0002		2	2				<u> </u>	+									+		
A1	SOIL	B&RE	13-Apr-94	MF-SO-MW103-0204	2		4		I	l		+									+		
Al	SOIL	B&RE	13-Apr-94	MF-SO-MW103-0405	4		5					+					I	I	<u> </u>		+		
Al	SOIL	B&RE	13-Apr-94	MF-SO-MW103-0608	1 6		8				+	+											
Al	SOIL	B&RE	13-Apr-94	MF-SO-MW103-0810	8	10) +	+	+	+	+	+	Ī	Π									
Αl	SOIL	B&RE	13-Apr-94	MF-SO-MW103-1012	10	12	2	\mathbf{I}^{-}				+									+		
Αl	SOIL	B&RE	13-Apr-94	MF-SO-MW103-1214	12	14	4					+									+		
Αl	SOIL	B&RE	13-Apr-94	MF-SO-MW103-1416	14	10	5 +	+	+	+	+	+											
Αl	SOIL	B&RE	13-Apr-94	MF-SO-MW103-1618	16	18	В				+	+											
Αl	SOIL	B&RE	13-Apr-94	MF-SO-MW103-1820	18	20						+									+		
Al	SOIL	B&RE	14-Apr-94	MF-SO-MW103-2022	20	22	2					+			Γ	Ι	Ι				+		
Al	SOIL	B&RE	14-Apr-94	MF-SO-MW103-2224	22		4	T	Ī			+					Ι	Τ	\mathbf{T}	T	T +		

1

TABLE 4-6
AREA A-1: SAMPLES COLLECTED AND ANALYSES PERFORMED FINAL REMEDIAL INVESTIGATION REPORT - AREA I RAYMARK - FERRY CREEK, OU3
STRATFORD, CT PAGE 5 OF 20

		,	<u> </u>		INIT	ERVAL	Ī			CLP			-		7.0	LP				<u></u>	
				1	1111	EKYML	-								10	L			إنكا	HER	┌─┤
AREA	MATRIX	CONTRACTOR	SAMPLE DATE	SAMPLE LOCATION	TOP (ff bgs)	BOΠOM (fi bgs)	VOCs	svocs	PEST/PCBs	DIOXINS/FURANS	METALS	ASBESTOS	100	TCLP VOCs	TCLP SVOCs	TCLP PEST/PCBs	TCLP METALS	SPLP METALS	PCB CONGENERS	PAH (BIOTA ONLY)	SCREENING METALS
Al	SOIL	B&RE	14-Apr-94	MF-SO-MW103-2426	24			Ь				+			<u> </u>				<u> </u>	Ш	+
Αl	SOIL	B&RE	14-Apr-94	MF-SO-MW103-2628	26			<u> </u>				+								<u> </u>	+
Al	SOIL	B&RE	14-Apr-94	MF-SO-MW103-2830	28		_					+								L!	+
Al	SOIL	B&RE	14-Apr-94	MF-SO-MW103-3032	30				<u> </u>	<u> </u>	L	+							<u> </u>	igsqcup	+
Αì	SOIL	B&RE	14-Apr-94	MF-SO-MW103-3234	32			<u> </u>		<u> </u>		+							L	igsqcut	+
Αl	SOIL	B&RE	14-Apr-94	MF-SO-MW103-3436	34						ļ <u>.</u>	+							<u> </u>	igsqcup	-
A1	SOIŁ	B&RE	14-Apr-94	MF-SO-MW103-4042	40							+								ш	+
Αl	SOIL	B&RE	14-Apr-94	MF-SO-MW103-4244	42			<u> </u>	<u>.</u>	<u> </u>		+									+
Al	SOIL	B&RE	14-Apr-94	MF-SO-MW103-4446	44							+								Ш	+
Αl	SOIL	B&RE	14-Apr-94	MF-SO-MW103-4648	46				ļ		<u> </u>	+								\bigsqcup'	+
Αl	SOIL	B&RE	14-Apr-94	MF-SO-MW103-4850	48			<u> </u>	<u> </u>			+									+
Αl	SOIL	B&RE	14-Apr-94	MF-SO-MW103-5052	50			<u> </u>				+								Ш	+
Αl	SOIL	B&RE	14-Apr-94	MF-SO-MW103-5254	52		<u> </u>					+								<u>'</u>	+
Αl	SOIL	B&RE	14-Apr-94	MF-SO-MW103-5456	54							+								\Box	+
A1	SOIL	B&RE	18-Apr-94	MF-SO-MW103-5658	56		<u> </u>					+									+
Αl	SOIL	B&RE	19-Apr-94	MF-SO-MW103B-6870	68	70						+									+
Αl	SOIL	B&RE	19-Apr-94	MF-SO-MW103B-7375	73	75						+									+
Al	SOIL	B&RE	19-Apr-94	MF-SO-MW103B-7880	78	80						+									+
A1	SOIL	B&RE	07-Apr-94	MF-SO-MW104D-0002	C	2	+	+	+	+	+	+									
Αl	SOIL	B&RE	07-Apr-94	MF-SO-MW104D-0204	2	4						+								\Box	+
A1	SOIL	B&RE	07-Apr-94	MF-SO-MW104D-0204A	2	4						+								\Box	+
Αl	SOIL	B&RE	07-Apr-94	MF-SO-MW104D-0204B	2	4		i i				+									+
Αl	SOIL	B&RE	07-Apr-94	MF-SO-MW104D-0406	4	ć													\Box	\Box	+
Αl	SOIL	B&RE	07-Apr-94	MF-SO-MW104D-0406A	4	6		1				+									+
A1	SOIL	B&RE	07-Apr-94	MF-SO-MW104D-0406B	4	ć						+								М	\Box
Αl	SOIL	B&RE	07-Apr-94	MF-SO-MW104D-0608	6	8		İ				+							\Box	\sqcap	+
A1	SOIL	B&RE	07-Apr-94	MF-SO-MW104D-0810	8	10	1	1				+								\Box	+
Αl	SOIL.	B&RE	07-Apr-94	MF-SO-MW104D-1012	10		_	i		1		+									+
A1	SOIL	B&RE	11-Apr-94	MF-SO-MW104D-1214	12		+	l				+									+
A1	SOIL	B&RE	11-Apr-94	MF-SO-MW104D-1416	14			i —				+									+
Αl	SOIL	B&RE	11-Apr-94	MF-SO-MW104D-1618	16	18	+	+	+	+	+	+				\vdash				\Box	\Box
A1	SOIL	B&RE	11-Apr-94	MF-SO-MW104D-1820	18			T	T	\Box		+				Ì				\vdash	+
A 1	SOIL	B&RE		MF-SO-MW104D-2022	20				T	T		+	-								+

TABLE 4-6
AREA A-1: SAMPLES COLLECTED AND ANALYSES PERFORMED
FINAL REMEDIAL INVESTIGATION REPORT - AREA I
RAYMARK - FERRY CREEK, OU3
STRATFORD, CT
PAGE 6 OF 20

					INT	ERVAL		T	1	CLP					TC	LP			OTH	HER	
AREA	MATRIX	CONTRACTOR	SAMPLE DATE	SAMPLE LOCATION	TOP (ff bgs)	BOTTOM (fl	VOCs	SVOCs	PEST/PCBs	DIOXINS/FURANS	METALS	ASBESTOS	10C	TCLP VOCs	TCLP SVOCs	TCLP PEST/PCBs	TCLP METALS	SPLP METALS	PCB CONGENERS	PAH (BIOTA ONLY)	SCREENING METALS
Al	SOIL	B&RE	12-Apr-94	MF-SO-MW104D-2224	22	24	1					+									+
Αl	SOIL	B&RE	12-Apr-94	MF-SO-MW104D-2224A	22	24						+									+
Αl	SOIL	B&RE	12-Apr-94	MF-SO-MW104D-2224B	22							+									+
A1	SOIL	B&RE	12-Apr-94	MF-SO-MW104D-2426	24							+									+
_A1	SOIL.	B&RE	12-Apr-94	MF-SO-MW104D-2628	26	28			ļ			+			L		ļ	<u> </u>		Ш	+
Αl	SOIL	B&RE	12-Apr-94	MF-SO-MW104D-2830	28	30			<u> </u>			+									+
A1	SOIL	B&RE	12-Apr-94	MF-SO-MW104D-3032	30				<u> </u>			+			L		ļ	<u> </u>		ш	+
A1	SOIL	B&RE	12-Apr-94	MF-SO-MW104D-3234	32			+	+	+	+	+							$ldsymbol{ldsymbol{ldsymbol{eta}}}$	igsqcut	L
A1	SOIL	B&RE	13-Apr-94	MF-SO-MW104D-3436	34			4	<u> </u>		<u> </u>	+							igsquare	ш	+
A1	SOIL	B&RÉ	13-Apr-94	MF-SO-MW104D-3638	36		_	_	<u> </u>			+			L			<u> </u>	<u> </u>	<u> </u>	+
Αl	SOIL	B&RE	13-Apr-94	MF-SO-MW104D-3840	38				<u> </u>	Ь	<u> </u>	+									+
Αl	SOIL	B&RE	13-Apr-94	MF-SO-MW104D-4042	40		+		<u> </u>			+			<u> </u>		<u> </u>	<u> </u>		igsqcut	+
A1	SOIL	B&RE	13-Apr-94	MF-SO-MW104D-4244	42		-	_	<u> </u>			+	L					<u> </u>	<u> </u>	<u> </u>	+
Al	SOIL	B&RE	13-Apr-94	MF-SO-MW104D-4446	4/		-		<u> </u>	<u> </u>		+			<u> </u>		<u> </u>	<u> </u>	<u> </u>	<u> </u>	+
A1	SOIL	B&RE	13-Apr-94	MF-SO-MW104D-4648	46	48		+	+	+	+	+	ļ		<u> </u>			ļ		<u> </u>	╙
<u> </u>	SOIL	B&RE	13-Apr-94	MF-SO-MW104D-5052	50	52	_	ļ	<u> </u>	ļ	<u> </u>	+			<u> </u>		<u> </u>		<u> </u>	<u> </u>	+
A1	SOIL	B&RE	13-Apr-94	MF-SO-MW104D-5254	52	54			ļ	!		+	L		<u> </u>		L	<u> </u>	 '	L_	+
A1	SOIL	B&RÉ	13-Apr-94	MF-SO-MW104D-5456	54	50		 	ļ	<u> </u>		+	<u> </u>		<u> </u>				<u> </u>	<u> </u>	+
A1	SOIL	B&RE	13-Apr-94	MF-SO-MW104D-5658	56	58	$\overline{}$			—		+	L		ļ				<u> </u>	<u> </u>	+
Al	SOIL	B&RE	13-Apr-94	MF-SO-MW104D-5860	58		-		<u> </u>	<u> </u>	ļ	+	ļ		<u> </u>		ļ	ļ	ļ		+
Al	SOIL	B&RE	13-Apr-94	MF-SO-MW104D-6062	60	62	-	+	+	+	+	+	 		Ь—		<u> </u>		-	ļ	ـــ
A1	SOIL	B&RE	13-Apr-94	MF-SO-MW104D-6264	62	64	+	4	<u> </u>	├	<u> </u>	+	<u> </u>	Ь	 		_		<u> </u>	<u> </u>	+
A1	SOIL	B&RE	13-Apr-94	MF-SO-MW104D-6466	64	60	$\overline{}$	1	_	⊢		+	<u> </u>	_	<u> </u>		<u> </u>	_	<u> </u>	—	+
A1	SOIL	B&RE	13-Apr-94	MF-SO-MW104D-6668	66	68	+	+-	├	ऻ—	<u> </u>	+	<u> </u>		<u> </u>	ļ	-	-	—'	—	+
A1	SOIL	B&RE	13-Apr-94	MF-SO-MW104D-6870	68			+	₩		├	+	<u> </u>	<u> </u>	 	<u> </u>	<u> </u>	 		\vdash	+
A1	SOIL	B&RE	14-Apr-94	MF-SO-MW104D-7072	70	72		╂	├	├		+	 	_	<u> </u>					 	+
A1	SOIL	B&RE B&RE	14-Apr-94	MF-SO-MW104D-7274	72	74		+	┼	┼—	├—	+	ļ	ļ		 	 	 	ऻ─ऻ	\vdash	+
A1 A1	SOIL SOIL	B&RE	14-Apr-94 14-Apr-94	MF-SO-MW104D-7476 MF-SO-MW104D-7678	76			+	\vdash	\vdash	\vdash	+	<u> </u>		\vdash		\vdash	\vdash	\vdash	\vdash	++
A1	SOIL	B&RE	18-Apr-94	MF-SO-MW104D-7880	78	80	_	+	 	1	 	+	<u> </u>		 		 	 -	\vdash	\vdash	++
Al	SOIL	B&RE	18-Apr-94	MF-SO-MW104D-8082	80	82		+	\vdash	1	1	+		-	 	ļ	\vdash	\vdash	\vdash	H	+
Al	SOIL	B&RE	30-Mar-94	MF-SO-SB1-0002			-	+	\vdash	\vdash	 	+	\vdash	-	\vdash		 	\vdash	 	\vdash	+
A1	SOIL	B&RE	30-Mar-94	MF-SO-SB1-0204A	1 2		1	+	 	 	├	+		-	 		 	\vdash	\vdash	H	+

TABLE 4-6
AREA A-1: SAMPLES COLLECTED AND ANALYSES PERFORMED
FINAL REMEDIAL INVESTIGATION REPORT - AREA I
RAYMARK - FERRY CREEK, OU3
STRATFORD, CT
PAGE 7 OF 20

					INT	ERVAL				CLP					TC	LP			OT	HER	
AREA	MATRIX	CONTRACTOR	SAMPLE DATE	SAMPLE LOCATION	TOP	BOTTOM (ff	VOCs	SVOCs	PEST/PCBs	DIOXINS/FURANS	METALS	ASBESTOS	тос	TCLP VOCs	TCLP SVOCs	TCLP PEST/PCBs	TCLP METALS	SPLP METALS	PCB CONGENERS	PAH (BIOTA ONLY)	SCREENING METALS
Al	SOIL	B&RE	30-Mar-94	MF-SO-SB1-0204B	2	4	ı					+									+
Αl	SOIL	B&RE	30-Mar-94	MF-SO-SB1-0608	6	8						+									+
A1	SOIL	B&RE	30-Mar-94	MF-SO-SB1-0810	8	10) +	+	+	+	+	+									
Αl	SOIL	B&RE	30-Mar-94	MF-SO-SB1-1012	10	12	2					+									+
A1	SOIL	B&RE	30-Mar-94	MF-SO-SB1-1214	12	14	ı					+									
Al	SOIL	B&RE	30-Mar-94	MF-SO-SB1-1214A	12	14						+									+
Αl	SOIL	B&RE	30-Mar-94	MF-SO-SB1-1214B	12	14						+						i		\Box	+
Αl	SOIL	B&RE	30-Mar-94	MF-SO-SB1-1416	14	16		1				+								\Box	+
Al	SOIL	B&RE	30-Mar-94	MF-SO-SB1-1618	16	18						+								П	+
Al	SOIL	B&RE	30-Mar-94	MF-SO-SB2-0001	C	1						+								\Box	+
Al	SOIL	B&RE	30-Mar-94	MF-SO-SB2-0204	2	4						+									+
Al	SOIL	B&RE	30-Mar-94	MF-SO-SB2-0406	4	6						+									+
Al	SOIL	B&RE	30-Mar-94	MF-SO-SB2-0608	6	8	+	+	+	+	+	+									
Al	SOIL	B&RE	30-Mar-94	MF-SO-SB2-0810	8	10	(+									+
Αl	SOIL	B&RE	30-Mar-94	MF-SO-SB2-1012	10	12	2					+									+
A1	SOIL	B&RE	30-Mar-94	MF-SO-SB2-1214	12	14						+									+
Αl	SOIL	B&RE		MF-SO-SB2-1416	14	16	+	+	+	+	+	+									\Box
Αl	SOIL	B&RE	30-Mar-94	MF-SO-SB2-1618	16	18						+									П
Al	SOIL	B&RE	30-Mar-94	MF-SO-SB2-1618A	16	18						+									+
Αl	SOIL	B&RE		MF-SO-SB2-1618B	16							+									+
Al	SOIL	B&RE	30-Mar-94	MF-SO-SB2-1820A	18	20	1					+									+
Al	SOIL	B&RE	30-Mar-94	MF-SO-SB2-1820B	18			1				+									+
Al	SOIL	B&RE	30-Mar-94	MF-SO-SB2-2022	20	22						+									+
Al	SOIL	B&RE	31-Mar-94	MF-SO-SB3-0002	C	2						+								П	+
Al	SOIL	B&RE		MF-SO-SB3-0204	2	4						+									+
Αì	SOIL	B&RE	31-Mar-94	MF-SO-SB3-0406	4	6						+									+
Al	SOIL	B&RE	31-Mar-94	MF-SO-SB3-0608A	6	8	1	1	Г			+								\Box	+
Al	SOIL	B&RE		MF-SO-SB3-0608B	6							+									+
Al	SOIL	B&RE	02-Apr-94	MF-SO-SB3-0810	8	10	+	+	+	+	+	+									М
A1	SOIL	B&RE		MF-SO-SB3-1012	10							+									+
A1	SOIL	B&RE	31-Mar-94	MF-SO-SB3-1214A	12	14						+			Γ-						+
A1	SOIL	B&RÉ		MF-SO-SB3-1214B	12	14						+						T		П	+
^ 1	SOIL	B&RE		MF-SO-SB3-1416	14	16						+						Ī	T	\Box	\Box

TABLE 4-6
AREA A-1: SAMPLES COLLECTED AND ANALYSES PERFORMED
FINAL REMEDIAL INVESTIGATION REPORT - AREA I
RAYMARK - FERRY CREEK, OU3
STRATFORD, CT
PAGE 8 OF 20

A1 SOIL BARE 31-Mor-94 MF-SO-SB3-1416A 14 16 16 16 16 16 16 16	T	Ī	****			INI	ERVAL				CLP					TC	LP			OTH	IER	
A1 SOIL B&REE 31-Mor-94 MF-SO-S83-1410B 14 16 H + H H H H H H H H H	AREA			DATE		1	bgs)		SVOCs	PEST/PCBs	DIOXINS/FURANS	METALS		TOC	TCLP VOCs	ICLP SVOCs	TCLP PEST/PCBs	TCLP METALS	SPLP METALS	PCB CONGENERS	PAH (BIOTA ONLY)	SCREENING METALS
A1 SOIL B&RE 31-Mor-94 MF-SO-SB3-1618 16 18						14		_	ļ	_		├							<u> </u>	$\vdash \vdash$		+
A1 SOIL B&RE 31-Mar-94 MF-SO-SB3-1820 18 20 + + + + + + + + + +									}	₩	 	<u> </u>			ļ				┢	\vdash	 	+
A1 SOIL B&RE 31-Mor-94 MF-SO-S84-0002 Q Q Q Q Q Q Q Q Q								_	├ ─	⊢	 				 -	-	-		-	$\vdash\vdash$		+
A1 SOIL BBRE 31-MGr-94 MF-SO-SB4-0204A 2 4 + + + + + + + + + + + + + + + + + +								+	 	┢	-	-	-		-					$\vdash \vdash$	H	++
A1 SOIL B&RE 31-Mar-94 MF-SO-S84-02048 2 4 + + + + + + + + + + + + + + + + + +						<u> </u>		4-	╁	╁	\vdash								 	$\vdash \vdash$	\vdash	+
A1 SOIL B&RE 31-MGr-94 MF-SO-SB4-0406 4 6 6 6 7 7 7 7 7 7 7				<u> </u>				4	+-	-	╁	-	-	 _	-	 	 		 	╫	\vdash	+
A1 SOIL B&RE 31-Mar-94 MF-SO-S84-008 0 8								4	╁	┢┈	╁	 	_			 			_	 		H
A1 SOIL B&RE 31-Mar-94 MF-SO-SB4-1012 10 12 + + + + + + + + + + + + + + + + + +								~	┼	╁	-	┿				<u> </u>	 			┰		+
A1 SOIL B&RE 31-Mor-94 MF-SO-SB4-1214 12 14 + + + + + + + + + + + + A SOIL B&RE 31-Mor-94 MF-SO-SB4-1416 14 16 + + + + + + + + + + A SOIL B&RE 31-Mor-94 MF-SO-SB4-1416 14 16 + + A SOIL B&RE 31-Mor-94 MF-SO-SB4-1416 14 16 + + A SOIL B&RE 31-Mor-94 MF-SO-SB4-1618A 16 18 + + A SOIL B&RE 31-Mor-94 MF-SO-SB4-1618A 16 18 + + A SOIL B&RE 31-Mor-94 MF-SO-SB4-1618B 16 18 + + A SOIL B&RE 31-Mor-94 MF-SO-SB4-1618B 16 18 + + A SOIL B&RE 31-Mor-94 MF-SO-SB5-0002 0 2 + + A SOIL B&RE 31-Mor-94 MF-SO-SB5-0002 0 2 + + A SOIL B&RE 31-Mor-94 MF-SO-SB5-0004 2 4 + + + A SOIL B&RE 31-Mor-94 MF-SO-SB5-0004 0 2 4 + + A SOIL B&RE 31-Mor-94 MF-SO-SB5-0006 4 6 B + + A SOIL B&RE 31-Mor-94 MF-SO-SB5-0008 6 B + + A SOIL B&RE 31-Mor-94 MF-SO-SB5-0010 8 10 + + A SOIL B&RE 31-Mor-94 MF-SO-SB5-0010 8 10 + + A SOIL B&RE 31-Mor-94 MF-SO-SB5-1012 10 12 + + A SOIL B&RE 31-Mor-94 MF-SO-SB5-1012 10 12 + + A SOIL B&RE 31-Mor-94 MF-SO-SB5-1012 10 12 + + A SOIL B&RE 31-Mor-94 MF-SO-SB5-1012 10 12 + + A SOIL B&RE 31-Mor-94 MF-SO-SB5-1012 10 12 + + A SOIL B&RE 31-Mor-94 MF-SO-SB5-1012 10 12 + + A SOIL B&RE 31-Mor-94 MF-SO-SB5-1012 10 12 + + A SOIL B&RE 31-Mor-94 MF-SO-SB5-1010 18 20 + + A SOIL B&RE 31-Mor-94 MF-SO-SB5-1010 18 20 + + A SOIL B&RE 31-Mor-94 MF-SO-SB5-1010 18 20 + + A SOIL B&RE 31-Mor-94 MF-SO-SB5-1010 18 20 + + A SOIL B&RE 31-Mor-94 MF-SO-SB5-1020 18 20 + + A SOIL B&RE 31-Mor-94 MF-SO-SB5-1020 18 20 + + A SOIL B&RE 31-Mor-94 MF-SO-SB5-1020 18 20 + + A SOIL B&RE 31-Mor-94 MF-SO-SB5-1020 18 20 + + A SOIL B&RE 31-Mor-94 MF-SO-SB5-1020 18 20 + + A SOIL B&RE 31-Mor-94 MF-SO-SB5-1020 18 20 + + A SOIL B&RE 31-Mor-94 MF-SO-SB5-1020 18 20 + + A SOIL B&RE 31-Mor-94 MF-SO-SB5-1020 18 20 + + A SOIL B&RE 31-Mor-94 MF-SO-SB5-1020 20 22 + + A SOIL B&RE 31-Mor-94 MF-SO-SB5-0020 0 22 + + A SOIL B&RE 31-Mor-94 MF-SO-SB5-0020 0 22 + + A SOIL B&RE 31-Mor-94 MF-SO-SB6-0000 0 2 + A SOIL B&RE 31-Mor-94 MF-SO-SB6-0000 0 2 + A SOIL B&RE 31-Mor-94 MF-SO-SB6-0000 0 2 4 + A SOIL B&RE 31-Mor-94 MF-SO-SB6-0000 0 2 4 + A SOIL B&RE 31-Mor-94 MF-SO-SB6-0000 0 2 4 + A SOIL B								-	╫	╁	\vdash	 	$\overline{}$		_	-	-		 	\vdash	 	+
A1 SOIL B&RE 31-Mar-94 MF-SO-S84-1416 14 16									+-	╁	 . 	 	_	-	_	\vdash			\vdash	 	 	广
A1 SOIL B&RE 31-Mar-94 MF-SO-SB4-1416A 14 16 + +				 				-	+-	+ -	 	, ·	_		\vdash			_	-	\vdash	\vdash	
A1 SOIL B&RE 31-Mar-94 MF-SO-SB4-1416B 14 16 + +									+	<u> </u>	 	_			 				1	一		+
A1 SOIL B&RE 31-Mar-94 MF-SO-SB4-161BA 16 18 + +				·						 		-			\vdash		-			 		+
A1 SOIL B&RE 31-Mar-94 MF-SO-SB5-0002 0 2 + +				4				-	\vdash	\vdash	\dagger				1					\vdash		+
A1 SOIL B&RE 31-Mar-94 MF-SO-SB5-0002 0 2								$\overline{}$	\vdash	┼	1	 								\vdash		+
A1 SOIL B&RE 31-Mar-94 MF-SO-SB5-0204 2 4								_	t	\vdash	t	 	+	 -	\vdash	 	!		1	\vdash		+
A1 SOIL B&RE 31-Mar-94 MF-SO-SB5-0406 4 6 8 4 6 4 6 4 6 6 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8						<u> </u>		4		1	1	ऻ	+	<u> </u>						\vdash		+
A1 SOIL B&RE 31-Mar-94 MF-SO-SB5-0608 6 8 10 + 1					10.00	1		6	1		1	t	 		†				t	\vdash		+
A1 SOIL B&RE 31-Mar-94 MF-SO-SB5-0810 8 10 + + - <th< td=""><td></td><td></td><td></td><td></td><td></td><td>1 7</td><td></td><td>8</td><td>1</td><td>T</td><td></td><td></td><td></td><td></td><td></td><td>1</td><td></td><td></td><td></td><td></td><td></td><td>+</td></th<>						1 7		8	1	T						1						+
A1 SOIL B&RE 31-Mar-94 MF-SO-SB5-1012 10 12 + + + + + + + + + + + + + + + + + +							1	ol –			İ	1	+				1					+
A1 SOIL B&RE 31-Mar-94 MF-SO-SB5-1214 12 14 + + + - <t< td=""><td></td><td></td><td></td><td></td><td>····</td><td>10</td><td>1</td><td>2</td><td>1</td><td></td><td>1</td><td></td><td>+</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>+</td></t<>					····	10	1	2	1		1		+									+
A1 SOIL B&RE 31-Mgr-94 MF-SO-SB5-1416 14 16 + + + + + + + + + + + + + + + + + + +						12	2 1	4	1	T			+									T ±
A1 SOIL B&RE 31-Mar-94 MF-SO-SB5-1820A 18 20 + - <				31-Mar-94	MF-SO-SB5-1416	14	1	6 +	+	+	+	+	+			l						
A1 SOIL B&RE 31-Mar-94 MF-SO-SB5-1820A 18 20 + - A1 SOIL B&RE 31-Mar-94 MF-SO-SB5-1820B 18 20 + - A1 SOIL B&RE 31-Mar-94 MF-SO-SB5-2022A 20 22 + + A1 SOIL B&RE 31-Mar-94 MF-SO-SB5-2022B 20 22 + + A1 SOIL B&RE 31-Mar-94 MF-SO-SB6-0002 0 2 + + A1 SOIL B&RE 31-Mar-94 MF-SO-SB6-0204 2 4 + + +			B&RE	31-Mar-94	MF-SO-SB5-1820	18	2	0					+									
A1 SOIL B&RE 31-Mar-94 MF-SO-SB5-1820B 18 20 + - A1 SOIL B&RE 31-Mar-94 MF-SO-SB5-2022A 20 22 + - A1 SOIL B&RE 31-Mar-94 MF-SO-SB5-2022B 20 22 + - A1 SOIL B&RE 31-Mar-94 MF-SO-SB6-0002 0 2 + + A1 SOIL B&RE 31-Mar-94 MF-SO-SB6-0204 2 4 + + +			B&RE	31-Mar-94		18	3 2	0					+							oxdot	$oxed{oxed}$	+
A1 SOIL B&RE 31-Mar-94 MF-SO-SB5-2022B 20 22 + + - A1 SOIL B&RE 31-Mar-94 MF-SO-SB6-0002 0 2 + + + A1 SOIL B&RE 31-Mar-94 MF-SO-SB6-0204 2 4 + + + +	Al	SOIL	B&RE	31-Mar-94	MF-SO-SB5-1820B								+	L	$ldsymbol{ldsymbol{ldsymbol{eta}}}$			<u> </u>	<u> </u>	igsqcup	<u> </u>	+
A1 SOIL B&RE 31-Mar-94 MF-SO-SB6-0002 0 2 + + A1 SOIL B&RE 31-Mar-94 MF-SO-SB6-0204 2 4 + + + + + + + + + + + + + + + + + + +	Al	SOIL	B&RE	31-Mar-94	MF-SO-SB5-2022A						<u> </u>	L	+			↓	Ь		<u> </u>	↓	ــــــ	+
A1 SOIL B&RE 31-Mar-94 MF-SO-SB6-0204 2 4 + + + + + + + + + + + + + + + + +	A1	SOIL	B&RE	31-Mar-94	MF-SO-SB5-2022B				_	1	↓	<u> </u>	+		_	ऻ	<u> </u>		<u> </u>	₩	Ь—	+
71 COLL SUITE STATE OF THE SECOND SEC	A1	SOIL	B&RE				<u> </u>	┭—	$oldsymbol{oldsymbol{\perp}}$	ļ	_		+-	L	<u> </u>	↓	<u> </u>		<u> </u>	—	Ь—	+
II A1 SOIL R&PE 31-Mar-94 MF-SO-S86-0608 6 8 +	Al	SOIL	B&RE	31-Mar-94		+		+-	+	+	+	+	+		<u> </u>	↓	<u> </u>	<u> </u>	 	↓	—	\vdash
A1 SOIL B&RE 31-Mar-94 MF-SO-SB6-0810 8 10 +	A1	SOIL	B&RE	31-Mar-94	MF-SO-SB6-0608			<u> </u>	<u> </u>	1	ــــ	ļ	-	L	<u> </u>	ļ	ऻ	ļ	 	₩	—	+

i

TABLE 4-6
AREA A-1: SAMPLES COLLECTED AND ANALYSES PERFORMED
FINAL REMEDIAL INVESTIGATION REPORT - AREA I
RAYMARK - FERRY CREEK, OU3
STRATFORD, CT
PAGE 9 OF 20

					INI	ERVAL				CLP)			Ī	TC	LP		Ī	ОТ	HER	
AREA	MATRIX	CONTRACTOR	SAMPLE DATE	SAMPLE LOCATION	TOP	BOTTOM (ff	VOCs	SVOCs	PEST/PCBs	DIOXINS/FURANS	METALS	ASBESTOS	10C	TCLP VOCs	TCLP SVOCs	TCLP PEST/PCBs	TCLP METALS	SPLP METALS	PCB CONGENERS	PAH (BIOTA ONLY)	SCREENING METALS
A1	SOIL	B&RE	31-Mar-94	MF-SO-SB6-1012	10	12						+									+
A1	SOIL	B&RE	31-Mar-94	MF-SO-SB6-1214	12	14						+									+
A1	SOIL	B&RE	31-Mar-94	MF-SO-SB6-1416	14	16	<u> </u>	I				+									+
A1	SOIL	B&RE	31-Mar-94	MF-SO-SB6-1618	16	18		1				+									+
A1	SOIL	B&RE	25-Apr-94	MF-SO-SB7-0002	C	2			Î			+									+
A1	SOIL	B&RE	25-Apr-94	MF-SO-SB7-0204	2	4			1			+			\vdash						+
A1	SOIL	B&RE	25-Apr-94	MF-SO-SB7-0406	4	ć	+	+	+	+	+	+					$\overline{}$		1	\vdash	Ė
A1	SOIL	B&RE		MF-SO-SB7-0608	6	8						+							†	\vdash	+
Al	SOIL	B&RE		MF-SO-SB7-0810	8			İ		1		+	-	_				i		\vdash	+
A1	SOIL	B&RE	25-Apr-94	MF-SO-SB7-1012	10	12		1	1			+				 				\vdash	+
A٦	SOIL	B&RE		MF-SO-SB7-1214	12	14		1	<u> </u>			+							✝	\vdash	+
Αì	SOIL	B&RE		MF-SO-SB7-1416	14			+	+	+	+	+								T	┢
A1	SOIL	B&RE	25-Apr-94	MF-SO-SB7-1618	16	18			1			+							\vdash	\vdash	+
Αì	SOIL	B&RE		MF-SO-SB7-1820	18		-	\vdash	1			+						\vdash	_	—	+
Αì	SOIL	B&RE		MF-SO-SB7-2022	20	22		<u> </u>				+				<u> </u>			 -	╁	+
A1	SOIL	B&RE	25-Apr-94	MF-SO-SB8-0002	0				†			+			-	<u> </u>			i –	\vdash	+
A1	SOIL	B&RE	25-Apr-94	MF-SO-SB8-0204	2	4		t	1	· · · ·		+						\vdash	†	т	+
Αì	SOIL	B&RE		MF-SO-SB8-0406	4	6		 	1			+				\vdash		\vdash	t	\vdash	+
A1	SOIL	B&RE		MF-SO-SB8-0608	6	8	+	+	+	+	+	+							\vdash	 	
Αl	SOIL	B&RE		MF-SO-SB8-0810	8			Ė	H			+					_	 -	╁	╁	+
A1	SOIL	B&RE	25-Apr-94	MF-SO-SB8-1012	10			┼	 										 	╁──┤	+
Al	SOIL	B&RE		MF-SO-SB8-1012A	10			 	\vdash			+							╁─	╆╾┙	+
A1	SOIL	B&RE		MF-SO-SB8-1012B	10	12		┢	╫			+						-	┢	┼─┤	-
Al	SOIL	B&RE		MF-SO-SB8-1214	12	14	 	t	 			+					-			\vdash	+
Al	SOIL	B&RE		MF-SO-TP1-0004	2	14	 		\vdash			+	-						-	┤	+
Ai	SOIL	B&RE		MF-SO-TP1-0405	4		 	 	\vdash	\vdash		+			<u> </u>				 	⊢-'	+
Al	SOIL	B&RE		MF-SO-TP2-0203	2	3	1	-	 			+								₩	+
A1	SOIL	B&RE		MF-SO-TP2-0506	5		+	+	+	+	+	+								$\vdash \vdash$	+
Al	SOIL	B&RE		MF-SO-TP3-0203	2	2	+	+	╁	+	- 	+							 	⊢	┢╌╜
Al	SOIL	B&RE	31-Mar-94	MF-SO-TP3-0405	4	5	+	+	+	+	+	+				-				┝──┤	+
Al	SOIL	B&RE	31-Mar-94	MF-SO-TP4-0203	2	3	╌	╁┸		+	+	+			 -	\vdash		-	\vdash	├─┤	├─┤
Al	SOIL	B&RE	31-Mar-94	MF-SO-TP4-0405	4	5	\vdash	\vdash	-	\vdash	_	+		<u> </u>						$\vdash \vdash$	+
A1	SOIL	B&RE	22-Jul-97	OU3-A1-SB01-0002	0	3	├	+	+		+	+						+	-	┟╌╌┦	+

TABLE 4-6
AREA A-1: SAMPLES COLLECTED AND ANALYSES PERFORMED
FINAL REMEDIAL INVESTIGATION REPORT - AREA I
RAYMARK - FERRY CREEK, OU3
STRATFORD, CT
PAGE 10 OF 20

T					INT	ERVAL				CLP					TC	LP			OTH	1ER	
AREA	MATRIX	CONTRACTOR	SAMPLE DATE	SAMPLE LOCATION	TOP (ff bgs)	BOΠOM (fl bgs)	VOCS	svocs	PEST/PCBs	DIOXINS/FURANS	METALS	ASBESTOS	TOC	TCLP VOCs	TCLP SVOCs	TCLP PEST/PCBs	TCLP METALS	SPLP METALS	PCB CONGENERS	PAH (BIOTA ONLY)	SCREENING METALS
Αl	SOIL	B&RE	22-Jul-97	OU3-A1-SB01-0204	2	4	1	↓ .	<u> </u>	_		+		├	├—	┼	-	├	 	├	+
A1	SOIL	B&RE	22-Jul-97	OU3-A1-SB01-0406	4	9	1	├	┢	-		+		₩	├	 -		+			+
A1	SOIL	B&RE	22-Jul-97	OU3-A1-SB01-0608			4	-	ļ		<u> </u>	+	├	 	 	┼─		╁─	-	 	+
Αl	SOIL	B&RE	22-Jul-97	OU3-A1-SB01-0810	8		_		<u> </u>			+	-	 —	 		┢	╁	├─	├	┿
A1	SOIL	B&RE	22-Jul-97	OU3-A1-SB01-1012	10		+	+	+	<u> </u>	+	+		—	₩	┼─	╁	┼	+-	\vdash	╁.
A۱	SOIL	B&RE	22-Jul-97	OU3-A1-SB01-1214	12		+	₩		↓		+	_	├	-	\vdash	 	╆	┼─	┼	++
Al	SOIL	B&RE	22-Jul-97	OU3-A1-SB01-1416	14		5	<u> </u>	↓	<u> </u>	_	+	├		├	┼—	 	┼	+	╁	╁÷
Al	SOIL	B&RE	22-Jul-97	OU3-A1-SB02-0002		· · · · · · · ·	2	+	+	├—	+	+			₩	\vdash	├	+	┼──	₩	╀-
A1	SOIL	B&RE	22-Jul-97	OU3-A1-SB02-0204		4	4	ـــ	↓ —	₩	<u> </u>	+	├	₩	╁	—		+-	₩	╁	+
A1	SOIL	B&RE	22-Jul-97	OU3-A1-SB02-0406	4	<u> </u>	5	╄	ऻ	<u> </u>	_	+	 —	₩		₩	├	₩	+-	₩	+
Αl	SOIL	B&RE	22-Jul-97	OU3-A1-SB02-0608			<u> </u>		 —	₩		+	├	┼	₩	₩	⊹ —	┼──	+-	Н—	++
A1	SOIL	B&RE	22-Jul-97	OU3-A1-SB02-0810				+	 +	┡	+	+	 	 —	 	┼	┾	₩	┼	╁	╁
Al	SOIL	B&RE	22-Jul-97	OU3-A1-SB02-1012	10		_	1_	ļ	-	├	+	├	╨	⊢	₩	 —	┼—	┼	+-	+
Al	SOIL	B&RE	22-Jul-97	OU3-A1-SB02-1214	12			╄-	ـــــ	ــــ	<u> </u>	+	├	₩	↓	—	₩-	₩	—	₩	++
A1	SOIL	B&RE	22-Jul-97	OU3-A1-SB02-1416	14		<u>6</u>	↓	<u> </u>	1_	ļ_	+	ļ	╄	₩	┼—	├	┼—	├ ─	┼─	+
Al	SOIL.	B&RE	24-Jul-97	OU3-A1-SB03-0002			2	—	<u> </u>	<u> </u>	↓	+	 	 	╄	—		┿	↓ —	↓ —	+
Al	SOIL	B&RE	24-Jul-97	OU3-A1-SB03-0204		2	4	<u> </u>	_	<u> </u>	↓	+	<u> </u>	1	!	┷	—	┼—	₩	┼—	++
A1	SOIL	B&RE	24-Jul-97	OU3-A1-SB03-0406	<u> </u>	4	6	ـــــ		—	<u> </u>	+	<u> </u>	↓	1_	₩	↓	┼—	∔—	₩	+
Al	SOIL	B&RE	24-Jul-97	OU3-A1-SB03-0608		5	8 +	+	+	+	+	+	↓	↓	╁	┿	1	+	↓ —	┼—	₩
Al	SOIL	B&RE	24-Jul-97	OU3-A1-SB03-0810		8 1	_	<u> </u>	ļ	Ļ	—	+	┺	1	1_	┼	-	₩	+	₩	+
Al	SOIL	B&RE	24-Jul-97	OU3-A1-SB03-1012	11	0 1	2			<u> </u>	L	+	↓		\vdash	↓ —	ļ	+	—	┼	+
Al	SOIL	B&RE	24-Jul-97	OU3-A1-SB03-1214	1:		4			<u> </u>	ـــــ	+	lacksquare	$oldsymbol{oldsymbol{\perp}}$	↓	↓	↓	₩	₩	₩	++
Aì	SOIL	B&RE	24-Jul-97	OU3-A1-SB03-1416	1.	4 1	6	+	+		+	+	ļ	_	—	↓_	↓	↓	╄	—	┼-
Al	SOIL	B&RE	22-Jul-97	OU3-A1-SB04-0002		0	2				<u> </u>	+	\vdash	\perp	1_	ـــــ	ـــــ	╄	₩	+	+
Al	SOIL	B&RE	22-Jul-97	OU3-A1-SB04-0204		2	4		<u> </u>		<u> </u>	+	_	4_	4_	┷	1	4—	↓_	₩	+
Al	SOIL.	B&RE	22-Jul-97	OU3-A1-SB04-0406		·	6	+	+	↓	<u> </u>	+	ـــــ	1	4	┷	ــــــ	+	₩	₩	+
Al	SOIL	B&RE	22-Jul-97	OU3-A1-SB04-0608			8 +	+	+		+	+	 	1_	_	╁	 	╁	+	+	┼
Al	SOIL	B&RE	22-Jul-97	OU3-A1-SB04-0810		<u> </u>	0	1_	1_	↓	↓_	+	₩	1	1	—	╁	+	+	┼	+
Al	SOIL	B&RE	22-Jul-97	OU3-A1-SB04-1012	1	<u> </u>	2			↓_	_	+	╄		4—	+	+	+	┼	+-	+
Al	SOIL	B&RE	22-Jul-97	OU3-A1-SB04-1214	1		4				↓	+	ـــــ	\bot	\bot	4_		丨	₩	┼	+
A1	SOIL	B&RE	22-Jul-97	OU3-A1-SB04-1416	1	4 1	6		\perp		1_	+	 	\bot	\bot	—	1	┷	₩	+	+
Al	SOIL	B&RE	18-Jul-97	OU3-A1-SB05-0002		0	2		丄	Т_	\perp	+	1_	\bot	4	\bot	1	┷	╁	+	 +
Al	SOIL	B&RE	18-Jul-97	OU3-A1-SB05-0204		2	4	+	+	1	+	+	Ī	ı	1	1	ŀ	+	1	1	1

Ì

TABLE 4-6
AREA A-1: SAMPLES COLLECTED AND ANALYSES PERFORMED FINAL REMEDIAL INVESTIGATION REPORT - AREA I RAYMARK - FERRY CREEK, OU3
STRATFORD, CT PAGE 11 OF 20

					IN	ERVAL	T -			CLP				Т	7/	\ D		1			
					110	LKVAL	┼	т	Т	CLP	, Т		ı —	<u> </u>	IC	LP			OII	HER	
AREA	MATRIX	CONTRACTOR	SAMPLE DATE	SAMPLE LOCATION	TOP (ff bgs)	BOTTOM (ft	vocs	svocs	PEST/PCBs	DIOXINS/FURANS	METALS	ASBESTOS	10C	TCLP VOCs	TCLP SVOCs	TCLP PEST/PCBs	TCLP METALS	SPLP METALS	PCB CONGENERS	PAH (BIOTA ONLY)	SCREENING METALS
A1	SOIL	B&RE		OU3-A1-SB05-0406	4	6	<u> </u>	1		-	_	+	_			_	_	0)	-	-	+
A1	SOIL	B&RE	18-Jul-97	OU3-A1-SB05-0608	6	8						+			 			_	\vdash	\vdash	+
Al	SOIL	B&RE	18-Jul-97	OU3-A1-\$B05-0810	8	10		+	+		+	+								┢╼┩	H
A1	SOIL	B&RE		OU3-A1-SB05-1012	10	12						+							М		+
Al	SOIL	B&RE		OU3-A1-SB05-1214	12	14						+							П		+
A1	SOIL	B&RE	18-Jul-97	OU3-A1-SB05-1416	14	16						+							П	\Box	+
A1	SOIL	B&RE	21-Jul-97	OU3-A1-SB06-0002	0	2						+									+
A1	SOIL	B&RE		OU3-A1-SB06-0204	2	4	+	+	+	+	+	+						+	\Box		-
A1	SOIL	B&RE		OU3-A1-SB06-0406	4	6						+									+
A1	SOIL	B&RE		OU3-A1-SB06-0608	6	8				1		+		T							+
A1	SOIL	B&RE	21-Jul-97	OU3-A1-SB06-0810	8	10	+	+	+		+	+					T				\vdash
A1	SOIL	B&RE		OU3-A1-SB06-1012	10	12						+	\neg								+
A1	SOIL	B&RE		OU3-A1-SB06-1214	12	14						+			\neg				_	\vdash	\vdash
A1	SOIL	B&RE		OU3-A1-SB06-1416	14	16						+		\neg	\neg		-			\dashv	+
Al	SOIL	B&RE	21-Jul-97	OU3-A1-SB07-0002	0	2					1	+					-+		\dashv		+
A1	SOIL	B&RE	21-Jul-97	OU3-A1-SB07-0204	2	4					\neg	+			_	-		-	-+	\rightarrow	+
A1	SOIL	B&RE	21-Jul-97	OU3-A1-SB07-0406	4	6						+	_	\neg		$\neg \dashv$			-+		+
A1	SOIL	B&RE	21-Jul-97	OU3-A1-SB07-0608	6	8	+	+	+	\neg	+	+	\dashv			一	\dashv	+	\dashv	\rightarrow	
A1	SOIL	B&RE		OU3-A1-SB07-0810	8	10	+	+	+		+	+	- 1		_		-	-+	-+	\rightarrow	
Al	SOIL	B&RE	22-Jul-97	OU3-A1-SB07-1012	10	12		·				+							-+		\dashv
A1	SOIL	B&RE	22-Jul-97	OU3-A1-SB07-1214	12	14						+							\rightarrow	\dashv	+
A1	SOIL	B&RE	22-Jul-97	OU3-A1-SB07-1416	14	16					\neg	┿					\dashv		-+	\rightarrow	+
A1	SOIL	B&RE	23-Jul-97	OU3-A1-SB09-0002	0	2				_		╁┤		\dashv	-	\dashv			\dashv		+
A1	SOIL	B&RE	23-Jul-97	OU3-A1-SB09-0204	2	4				$\neg +$	$\neg \dashv$	+		\dashv	_	-	一	\dashv	\rightarrow	\dashv	+
A1	SOIL	B&RE	23-Jul-97	OU3-A1-SB09-0406	4	6			_	_	\dashv	7		-			\dashv		\dashv	\dashv	-‡-
A1	SOIL	B&RE	23-Jul-97	OU3-A1-SB09-0608	6	8				\dashv	$\neg \neg$	+		\dashv		-	\dashv	-	\dashv	\dashv	+
A1	SOIL	B&RE		OU3-A1-SB09-0810	8	10		+	+	一十	+	+		-			\dashv	- +	\dashv	\dashv	+
Al	SOIL	B&RE	23-Jul-97	OU3-A1-SB09-1012	10	12				\dashv	╅	+		\dashv			-		\dashv	\dashv	
A1	SOIL	B&RE		OU3-A1-SB09-1214	12	14				\dashv	一十	+	-	+		\dashv			\dashv	\dashv	- <u>+</u> -
A1	SOIL	B&RE		OU3-A1-SB09-1416	14	16	\dashv				\dashv	+		\dashv	\dashv	\dashv		-	+	-+	_+
Al	SOIL	B&RE	23-Jul-97	OU3-A1-SB10-0002	o	2	$\overline{}$	+	+	\dashv	+	+		\dashv			\dashv	. 	-+	$-\!\!\!+$	+-
Al	SOIL	B&RE	23-Jul-97	OU3-A1-SB10-0204	2	4		\dashv	÷	_	- 	++	-+	\dashv				+	\dashv	\dashv	
<u> </u>	SOIL	B&RE	23-Jul-97	OU3-A1-SB10-0406		6			\dashv		\dashv	+	-+	-+			\dashv	\dashv	\dashv	\dashv	+

TABLE 4-6
AREA A-1: SAMPLES COLLECTED AND ANALYSES PERFORMED
FINAL REMEDIAL INVESTIGATION REPORT - AREA I
RAYMARK - FERRY CREEK, OU3
STRATFORD, CT
PAGE 12 OF 20

					INT	ERVAL				CLP					TC	LP			OTH	IER	
AREA	MATRIX	CONTRACTOR	SAMPLE DATE	SAMPLE LOCATION	TOP (ff bgs)	BOΠOM (ff bgs)	8	svocs	PEST/PCBs	DIOXINS/FURANS	METALS	ASBESTOS	TOC	TCLP VOCs	TCLP SVOCs	TCLP PEST/PCBs	TCLP METALS	SPLP METALS	PCB CONGENERS	PAH (BIOTA ONLY)	SCREENING METALS
A1	SOIL	B&RE	23-Jul-97	OU3-A1-SB10-0608	6	8	_	├	-	-		+		<u> </u>	<u> </u>		-	Н	\vdash	ļl	+
A1	SOIL	B&RE	23-Jul-97	OU3-A1-SB10-0810	8	10		+	 +	\vdash	+	+						$\vdash \vdash$	\vdash	┟──┤	+
Al_	SOIL	B&RE	23-Jul-97	OU3-A1-SB10-1012	10			├	├			+			┝			H	$\vdash\vdash$	 	+
Al	SOIL	B&RE	22-Jul-97	OU3-A1-SB10-1214	12			├ ─		-		+						┝	\vdash	┟──┤	+
Al	SOIL	B&RE	23-Jul-97	OU3-A1-SB10-1416	14			+	 	<u> </u>		+ +			-			+	\vdash	\vdash	⊢ `
A1	SOIL	B&RE	23-Jul-97	OU3-A1-SB11-0002	2		}	+	+-	+	+	+			├			⊢┷┤			+
Al	SOIL	B&RE	23-Jul-97	OU3-A1-SB11-0204			+	 	┼──	-		+		 	_			Н	\vdash		+
A1	SOIL	B&RE	23-Jul-97	OU3-A1-SB11-0406	6		4	\vdash				+		-	 			┢═┵	\vdash		+
A1	SOIL	B&RE	23-Jul-97	OU3-A1-SB11-0608	8	10	+	╁┈╴	┢	├─		+		 			 	\vdash	H		+
A1	SOIL	B&RE	23-Jul-97	OU3-A1-SB11-0810	10		_	+	+	╁	+	+		_	_		l	\vdash	Н		亡
A1	SOIL	B&RE B&RE	23-Jul-97 23-Jul-97	OU3-A1-SB11-1012 OU3-A1-SB11-1214	12	 	-	╀	 	-	-	+									+
A1	SOIL	B&RE	23-Jul-97 23-Jul-97	OU3-A1-SB11-1214	14			+	 			+		-			 	\Box			+
A1	SOIL	B&RE	08-Jul-97	OU3-A1-SS01-0002			1	+	+		+	+					<u> </u>	+			
A1 A1	SOIL SOIL	B&RE	08-Jul-97	OU3-A1-\$\$01-0204	2		1	+	+	\vdash	+	+						+			
Al	SOIL	B&RE	08-Jul-97	OU3-A1-SS02-0002		2]	+	+	\vdash	+	+			†			\Box			i i
Al	SOIL	B&RE	08-Jul-97	OU3-A1-SS02-0204	2		1	†	+	t	+	+									İ
Ai	SOIL	B&RE	08-Jul-97	OU3-A1-SS03-0002		2	2	+	+	+	+	+		T	Ī						
Al	SOIL	B&RE	08-Jul-97	OU3-A1-SS04-0002	C	2	2	+	+		+	+		Г				+			
Al	SOIL	B&RE	08-Jul-97	OU3-A1-SS05-0002	C	2	2	+	+		+	+		1							
Al	SOIL	B&RE	08-Jul-97	OU3-A1-SS05-0204	2	4	4	+	1 +		+	+									
A1	SOIL	B&RE	05-Aug-97	OU3-A1-SS06-0002	C	2	2	+	+		+	+						+			L
Al	SOIL	B&RE	05-Aug-97	OU3-A1-SS06-0204	2		4	+	+		+	+					L	+		<u> </u>	
A1	SOIL	WESTON/ARCS	06-Oct-93	BP106A S286,E150 (0.0-0.5)		0.5	5					+						<u> </u>		<u> </u>	+
Al	SOIL	WESTON/ARCS	06-Oct-93	BP106A S286,E150 (0.5-1.1)	0.5	1.	ıL_					+						<u> </u>	<u> </u>	↓	+
Al	SOIL	WESTON/ARCS	06-Oct-93	BP106A \$286,E150 (1.1-2.1)	1.1	2.	1					+				$ldsymbol{ldsymbol{ldsymbol{ldsymbol{eta}}}$	1	$oldsymbol{ol}}}}}}}}}}}}}}}}}$		ــــ	+
A1	SOIL	WESTON/ARCS	06-Oct-93	BP106A S286,E150 (10.1-11.4)	10.1	11.4	4					+	L	1_	<u> </u>		<u> </u>	<u> </u>	 _ 	ــــ	+
A1	SOIL	WESTON/ARCS	06-Oct-93	BP106A S286,E150 (4.0-4.4)		4.4			<u> </u>	<u> </u>		+	<u> </u>	_		L		 	ـــــ	↓	+
Al	SOIL	WESTON/ARCS	06-Oct-93	BP106A S286,E150 (4.4-4.9)	4.4			1_		<u> </u>	L	+	L	_	1	L	╙	 	₩	 —	+
A1	SOIL	WESTON/ARCS	06-Oct-93	BP106A S286,E150 (4.9-5.6)	4.9		+-	1	_	<u> </u>	<u> </u>	<u> +</u>	ļ	 	₩	<u> </u>	<u> </u>	—		\vdash	+
Αl	SOIL	WESTON/ARCS	06-Oct-93	BP106A S286,E150 (6.0-6.8)		6.8	-		1		_	+	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	₩	—		+
Al	SOIL	WESTON/ARCS	06-Oct-93	BP106A \$286,E150 (8.7-9.3)	8.7		-	1	1_	<u> </u>	<u> </u>	+	<u> </u>	ļ	<u> </u>	<u> </u>	├	—	 	₩	+
Al	SOIL	WESTON/ARCS	06-Oct-93	BP106A S286,E150 (9.3-10.1)	9.3	10.	<u> </u>				<u> </u>	<u> </u>	<u> </u>	<u> </u>			<u></u>	<u> </u>	Щ_	<u> </u>	+

TABLE 4-6
AREA A-1: SAMPLES COLLECTED AND ANALYSES PERFORMED
FINAL REMEDIAL INVESTIGATION REPORT - AREA I
RAYMARK - FERRY CREEK, OU3
STRATFORD, CT
PAGE 13 OF 20

			T		INIT	EDVAL	T			<u> </u>					-					===	
						ERVAL	₩	т—		CLP	, 	,			IC	LP		L	OTI	HER	
AREA	MATRIX	CONTRACTOR	SAMPLE DATE	SAMPLE LOCATION	TOP	BOΠOM (ff bgs)	VOCs	SVOCs	PEST/PCBs	DIOXINS/FURANS	METALS	ASBESTOS	TOC	TCLP VOCs	TCLP SVOCs	TCLP PEST/PCBs	TCLP METALS	SPLP METALS	PCB CONGENERS	PAH (BIOTA ONLY)	SCREENING METALS
A1	SOIL	WESTON/ARCS	06-Oct-93	BP106A S309,E145 (0.4-0.6)	0.4	0.6	_					+		Ť				<u> </u>		_	+
A1	SOIL	WESTON/ARCS	06-Oct-93	BP106A \$309,E145 (0.6-1.0)	0.6	1		1				+				\vdash			\Box		+
A1	SOIL	WESTON/ARCS	06-Oct-93	BP106A \$309,E145 (1.3-1.5)	1.3	1.5		t				+							\vdash		+
<u> </u>	SOIL	WESTON/ARCS	06-Oct-93	BP106A S309,E145 (2.0-2.2)	2	2.2						+							\vdash		+
A1	SOIL	WESTON/ARCS	06-Oct-93	BP106A \$309,E145 (8.8-9.0)	8.8	9	_	1				+							\vdash	\vdash	+
A1	SOIL	WESTON/ARCS	07-Oct-93	BP116A S230,E162 (0.0-0.4)	0	0.4		t				+						_	\vdash	\vdash	+
A1	SOIL	WESTON/ARCS	07-Oct-93	BP116A S230,E162 (0.4-0.9)	0.4	0.9	,	T			_	+							\vdash	\vdash	+
<u> </u>	SOIL	WESTON/ARCS		BP116A S230,E162 (0.9-1.1)	0.9	1.1		1				+		$\neg \dashv$					-		+
A1	SOIL	WESTON/ARCS	07-Oct-93	BP116A S230,E162 (1.1-1.9)	1.1	1.9		†		Н		+									+
Al	SOIL	WESTON/ARCS		BP116A S230,E162 (4.5-5.5)	4.5	5.5		†				+									+
A1	SOIL	WESTON/ARCS		BP116A S230,E162 (8.5-9.0)	8.5	9		\vdash				+				-			\Box	-	+
A1	SOIL	WESTON/ARCS	07-Oct-93	BP126A \$175,E213 (0.0-0.5)	0	0.5				-		+	\neg	一					\Box		+
A1	SOIL	WESTON/ARCS		BP126A S175,E213 (0.5-1.5)	0.5	1.5		_	 			+	-	_			-		\vdash		
A1	SOIL	WESTON/ARCS		BP126A S175,E213 (1.5-2.1)	1.5	2.1	t					+		\dashv			\dashv			-+	+
A1	SOIL	WESTON/ARCS		BP126A S175,E213 (2.1-2.9)	2.1	2.9		\vdash				+						_	-		+
A1	SOIL	WESTON/ARCS		BP126A S175,E213 (4.0-4.4)	4	4.4		 -				+					-	_		—	+
A1	SOIL	WESTON/ARCS		BP68A S535,E172 (0.7-0.9)	0.7	0.9			_			+	_						-+		+
A1	SOIL	WESTON/ARCS		BP68A S535,E172 (5.0-5.2)	5	5.2						+							-	\rightarrow	+
A1	SOIL	WESTON/ARCS		BP68AC-S535,E172(0.0-0.3)	Ŏ	0.3	_	+	+	+	+	-		-				_	\dashv	-	+
A1	SOIL	WESTON/ARCS		BP68AC-S535,E172(1.8-2.4)	1.8	2.4	+	+	+	+	+		-					\dashv	-		//
Al	SOIL	WESTON/ARCS		BP68AC-S535,E172(5.2-5.5)	5.2	5.5		+	+	+	+	- 1	\dashv			-	\dashv			\rightarrow	
A1	SOIL	WESTON/ARCS		BP70A S485,E160 (0.0-0.2)	0.2	0.2	-	+	+		-									-	
A1	SOIL	WESTON/ARCS		BP70A S485,E160 (0.6-0.7)	0.6	0.7	├	 				+									+
A1	SOIL	WESTON/ARCS		BP70A S485,E160 (2.5-2.7)	2.5	2.7		Н	-	-		\rightarrow			-	_				\rightarrow	+
Αì	SOIL	WESTON/ARCS		BP70A S485,E160 (2.8-3.0)	2.8	2.7	 	\vdash				+	\dashv								_+
Al	SOIL	WESTON/ARCS		BP70A \$485,E160 (4.2-4.5)	4.2	4.5	 	\vdash		 		+		\dashv					\longrightarrow	\rightarrow	+
Al	SOIL	WESTON/ARCS		BP70A S485,E160 (6.3-6.5)	6.3	4.5 6.5	<u> </u>	\vdash	\vdash			+		\dashv					\dashv	\rightarrow	+
Al	SOIL	WESTON/ARCS		BP70A S485,E160 (7.2-7.5)	7.2	7.5		\vdash				+					-+	\dashv		\rightarrow	+
A1	SOIL	WESTON/ARCS		BP70A S485,E160 (9.2-9.5)	9.2	7.5 9.5	 					+		\dashv			\dashv		\dashv	\dashv	-+-
Al	SOIL	WESTON/ARCS		BP70A \$528,E172 (0.0-0.2)	9.2	0.2		\vdash			\longrightarrow	+							\dashv		+
Al	SOIL	WESTON/ARCS		BP70A S528,E172 (4.3-4.7)	4.3	4.7						+						\dashv	\rightarrow	-+	_+
Al	SOIL	WESTON/ARCS		BP70A S528,E172 (5.0-5.3)	4.0	5.3	H	-			\dashv	+	-	\dashv					\dashv	\rightarrow	+
^1	SOIL	WESTON/ARCS		BP70AC-S485,E160(3,6-4,0)	3.6	3.3	+	+	+	+		+		\dashv			\dashv		\dashv	\dashv	+

TABLE 4-6
AREA A-1: SAMPLES COLLECTED AND ANALYSES PERFORMED
FINAL REMEDIAL INVESTIGATION REPORT - AREA I
RAYMARK - FERRY CREEK, OU3
STRATFORD, CT
PAGE 14 OF 20

		70000			INT	ERVAL				CLP					TC	LP			OTI	HER	
AREA	MATRIX	CONTRACTOR	SAMPLE DATE	SAMPLE LOCATION	TOP (ff bgs)	BOΠOM (ff bgs)	VOCs	SVOCs	PESI/PCBs	DIOXINS/FURANS	METALS	ASBESTOS	TOC	TCLP VOCs	TCLP SVOCs	TCLP PEST/PCBs	TCLP METALS	SPLP METALS	PCB CONGENERS	PAH (BIOTA ONLY)	SCREENING METALS
A1	SOIL	WESTON/ARCS	07-Oct-93	BP70AC-S485,E160(4.5-5.0)	4.5	5	<u> </u>	+	+	+	+			<u> </u>	ļ. <u></u>			L	<u> </u>	<u> </u>	Ш
A1	SOIL	WESTON/ARCS	07-Oct-93	BP70AC-S485,E160(7.5-8.2)	7.5	8.2	+	+	+	+	+				<u> </u>			L	Ь	\perp	╙
Αì	SOIL	WESTON/ARCS	06-Oct-93	BP70AC-S528,E172(0.6-1.5)	0.6	1.5		+	+	+	+								igspace		₩'
Αl	SOIL	WESTON/ARCS	06-Oct-93	BP78A S453,E162 (0.0-0.25)	c						<u> </u>	+						L_	<u> </u>		+
Αl	SOIL	WESTON/ARCS	06-Oct-93	BP78A S453,E162 (1.4-2.0)	1.4						<u> </u>	+				L		L	╙	lacksquare	+
Αl	SOIL	WESTON/ARCS	06-Oct-93	BP78A S453,E162 (2.0-2.7)	2	2.7					L	+							Ь	\vdash	+
A1	SOIL	WESTON/ARCS	06-Oct-93	BP78A S453,E162 (2.7-3.4)	2.7	3.4						+							$oxed{oxed}$	$oldsymbol{ol}}}}}}}}}}}}}}}}}}$	+
A1	SOIL	WESTON/ARCS	06-Oct-93	BP78A S453,E162 (4.0-4.2)	4	4.2	1		<u> </u>	L_		+							<u> </u>	<u> </u>	+
A1	SOIL	WESTON/ARCS	06-Oct-93	BP78A S453,E162 (5.4-5.6)	5.4			<u> </u>	<u> </u>			+				<u> </u>	<u> </u>	<u> </u>	∟	ــــــ	+
Al	SOIL	WESTON/ARCS	06-Oct-93	BP78AC-S453,E162(0.8-1.4)	0.8	1.4	+	+	+	+	+				<u> </u>				Ц_	<u> </u>	L
Al	SOIL	WESTON/ARCS	06-Oct-93	BP78AC-S453,E162(4.6-5.0)	4.6		+	+	+	+	+				ļ			L	↓	↓	└
Αl	SOIL	WESTON/ARCS	05-Oct-93	BP96A S342,E166 (0.0-0.3)	<u> </u>	3.0						+	<u> </u>						—	↓	+
A1 .	SOIL	WESTON/ARCS	05-Oct-93	BP96A S342,E166 (0.5-1.5)	0.5		-	L				+	ļ	L	ـــــ		L		—	╙	+
A1	SOIL	WESTON/ARCS	05-Oct-93	BP96A S342,E166 (1.5-2.4)	1.5		_				<u> </u>	+		<u> </u>		L			<u> </u>	↓	+
A1	SOIL	WESTON/ARCS	05-Oct-93	BP96A S342,E166 (3.2-3.7)	3.2	3.7	Ί	<u>L</u>	L_		<u> </u>	+		<u> </u>	L	<u> </u>			<u> </u>	ـــــ	+
A1	SOIL	WESTON/ARCS	05-Oct-93	BP96A \$342,E166 (4.0-4.3)	4			L			<u> </u>	+					<u> </u>		<u> </u>	$oldsymbol{ol}}}}}}}}}}}}}}}}}}$	+
A1	SOIL	WESTON/ARCS	05-Oct-93	BP96A S365,E168 (0.0-0.3)		0.0		<u> </u>				+	<u> </u>		<u> </u>					$oldsymbol{ol}}}}}}}}}}}}}}}}}}$	+
A1	SOIL	WESTON/ARCS	05-Oct-93	BP96A S365,E168 (2.4-2.6)	2.4	2.6		<u> </u>		<u> </u>		+	<u> </u>		<u> </u>			<u> </u>			+
A1	SOIL	WESTON/ARCS	05-Oct-93	BP96A S365,E168 (3.3-3.5)	3.3	3.5				<u> </u>		+	<u> </u>						<u> </u>		+
Al	SOIL	WESTON/ARCS	05-Oct-93	BP96A S365,E168 (4.3-4.5)	4.3	4.5						+	<u> </u>						乚		+
A1	SOIL	WESTON/ARCS	05-Oct-93	BP96AC-S342,E166(1.5-2.4)	1.5	2.4	+	+	+		+			<u> </u>	<u> </u>	<u> </u>		L	匚		<u></u>
A1	SOIL	WESTON/ARCS	11-Oct-93	BP96AC-S342,E166(3.3-3.5)	3.3	3.5				+			<u> </u>				<u> </u>	L	<u> </u>		
A1	SOIL	WESTON/ARCS	12-Oct-93	H2A N250,E6 (0.1-0.3)	0.1	0.3	3				<u> </u>	+		L	<u> </u>						+
Αl	SOIL	WESTON/ARCS	12-Oct-93	H2A N250,E6 (1,1-1.3)	1.1	1.3	3		L			+							$oldsymbol{ol}}}}}}}}}}}}}}}}}$		+
A1	SOIL	WESTON/ARCS	12-Oct-93	H2A N250,E6 (1.6-1.8)	1.6	1.8						+								$oxed{oxed}$	+
Al	SOIL	WESTON/ARCS	12-Oct-93	H2A N250,E6 (10.0-10.2)	10							+								ــــــــــــــــــــــــــــــــــــــ	+
A1	SOIL	WESTON/ARCS	12-Oct-93	H2A N250,E6 (13.1-13.3)	13.1							+									+
A1	SOIL	WESTON/ARCS	12-Oct-93	H2A N250,E6 (13.4-13.6)	13.4	13.6			L	<u> </u>		+	$oxed{oxed}$	<u> </u>					<u> </u>	$oxed{oxed}$	+
A1	SOIL	WESTON/ARCS	12-Oct-93	H2A N250,E6 (14.3-14.8)	14.3	14.8						+							辶	<u> </u>	+
A1	SOIL	WESTON/ARCS	12-Oct-93	H2A N250,E6 (2.3-2.5)	2.3	2.5					<u> </u>	+	<u> </u>				L		<u> </u>	<u> </u>	+
Αl	SOIL	WESTON/ARCS	12-Oct-93	H2A N250,E6 (2.7-2.9)	2.7		-	$oxed{oxed}$			$oxed{oxed}$	+	<u> </u>		Ц_		L		<u> </u>	<u> </u>	+
Αl	SOIL	WESTON/ARCS	12-Oct-93	H2A N250,E6 (4.4-4.6)	4.4	4.6	,					+									+
A1	ŞOIL	WESTON/ARCS	12-Oct-93	H2A N250,E6 (6.0-6.2)	. 6	6.2						+	1							<u> </u>	<u>+</u>

TABLE 4-6
AREA A-1: SAMPLES COLLECTED AND ANALYSES PERFORMED FINAL REMEDIAL INVESTIGATION REPORT - AREA I RAYMARK - FERRY CREEK, OU3
STRATFORD, CT PAGE 15 OF 20

					IN	ERVAL				CLP					TC	LP			OTI	HER	
AREA	MATRIX	CONTRACTOR	SAMPLE DATE	SAMPLE LOCATION	TOP	BOTTOM (ff	VOCs	svocs	PEST/PCBs	DIOXINS/FURANS	METALS	ASBESTOS	тос	TCLP VOCs	TCLP SVOCs	TCLP PEST/PCBs	TCLP METALS	SPLP METALS	PCB CONGENERS	PAH (BIOTA ONLY)	SCREENING METALS
Al	SOIL	WESTON/ARCS	12-Oct-93	H2A N256,W41 (0.0-0.3)		0.3						+									+
A1	SOIL	WESTON/ARCS	12-Oct-93	H2A N256,W41 (4.1-4.3)	4.1	4.3						+				l					+
A1	SOIL	WESTON/ARCS	12-Oct-93	H2A N256,W41 (5.5-5.7)	5.5	5.7						+				 					+
Αl	SOIL	WESTON/ARCS	12-Oct-93	H2A N256,W41 (6.5-6.7)	6.5	6.7		1	1			+									+
Αì	SOIL	WESTON/ARCS	12-Oct-93	H2A N256,W41 (6.9-7.1)	6.9	7.1						+									+
A٦	SOIL	WESTON/ARCS	08-Oct-93	MS74A E290,S145 (0.0-0.3)	(0.3						+								П	+
A1	SOIL	WESTON/ARCS		MS74A E290,S145 (0.6-0.8)	0.6	0.8		İ				+							Т		+
Αl	SOIL	WESTON/ARCS		MS74A E290,S145 (2.0-2.3)	2	2.3						+							_		+
A1	SOIL	WESTON/ARCS		MS74A E290,S145 (2.4-2.7)	2.4	2.7	1	†				+			_					\vdash	+
A1	SOIL	WESTON/ARCS		MS74A E305,S20 (0.0-0.2)	0	0.2		 	I			+								Н	+
Αl	SOIL	WESTON/ARCS		MS74A E305,S20 (1.0-2.5)	1	2.5		1				+									+
Al	SOIL	WESTON/ARCS		MS74A E305,S20 (2.5-3.7)	2.5							+		\vdash	-		_				+
Al	SOIL	WESTON/ARCS	08-Oct-93	MS74A E305,S20 (4.0-6.0)		6	+				_					_			<u> </u>		+
A1	SOIL	WESTON/ARCS		MS74A E305,S20 (6.0-7.0)	6	7	-		1			+	_	_		-	_			\vdash	+
A1	SOIL	WESTON/ARCS		MS74A E305,S20 (8.0-9.5)	8	9.5	\vdash				 	+								$\vdash\vdash$	+
A1	SOIL	WESTON/ARCS	08-Oct-93	MS74A E305,S20 (9.5-9.7)	9.5	9.7	_	 		Н	\vdash	+				-				H	+
A1	SOIL	WESTON/ARCS		MS74A E305,S20 (9.7-11.8)	9.7	11.8		†	1	\vdash	 	+								\vdash	+
A1	SOIL	WESTON/TAT		EB E+300	,,,	0.5		t	-			+									+
A1	SOIL	WESTON/TAT		EB E+400				\vdash				+									+
A1	SOIL	WESTON/TAT		EB E+500	<u> </u>	0.5	 	╁	\vdash			+									+
A1	SOIL	WESTON/TAT		EB E+600	7	0.5		\vdash		-		+									+
A1	SOIL	WESTON/TAT	11-Jun-93	EB E+700		0.5	_	 		\vdash		+		_						\vdash	+
A1	SOIL	WESTON/TAT		EB E+800	-	0.5	_	\vdash	 -	Н		+		-		\vdash				\vdash	+
Al	SOIL	WESTON/TAT		EB W+100	7	0.5	_			Н	 -	+									
A1	SOIL	WESTON/TAT		EB W+130		0.5	_	├─				+				\vdash	_				+
Al	SOIL	WESTON/TAT		EB W+200			_	├		\vdash	<u> </u>						\vdash			 	+
Al	SOIL	WESTON/TAT		EB W+300	7	0.5	 	 	 		 	+ +			-	\vdash	-			┟╼╾┥	+
Al	SOIL	WESTON/TAT		EB W+400		0.5	1	 	 	\vdash	 	+				\vdash	-	-		├─┤	+
Al	SOIL	WESTON/TAT		EB W+500		0.5	_	 		\vdash		\vdash				\vdash	-	<u> </u>		$\vdash\vdash\vdash$	+
Al	SOIL	WESTON/TAT		EB W+600			_			$\vdash\vdash$	\vdash	+ +			-	H	\vdash			\vdash	+
A1	SOIL	WESTON/TAT		EB W+700		0.0	_	 	 	\vdash			_							\vdash	+
A1	SOIL	WESTON/TAT		EB W+800		0.5	_	\vdash	 	Н		+			-	\vdash				$\vdash \vdash \vdash$	+
 	SOIL	WESTON/TAT		EB640A N124,E156 (0.2-0.4)	0,2			\vdash	├	$\vdash \vdash$		+ +				\vdash				 	+

TABLE 4-6
AREA A-1: SAMPLES COLLECTED AND ANALYSES PERFORMED
FINAL REMEDIAL INVESTIGATION REPORT - AREA I
RAYMARK - FERRY CREEK, OU3
STRATFORD, CT
PAGE 16 OF 20

					INT	ERVAL				CLP					TC	LP			OTI	HER	
AREA	MATRIX	CONTRACTOR	SAMPLE DATE	SAMPLE LOCATION	TOP (ff bgs)	BΟΠΟΜ (ff bgs)	VOCs	svocs	PEST/PCBs	DIOXINS/FURANS	METALS	ASBESTOS	TOC	TCLP VOCs	TCLP SVOCs	TCLP PEST/PCBs	TCLP METALS	SPLP METALS	PCB CONGENERS	PAH (BIOTA ONLY)	SCREENING METALS
Al	SOIL	WESTON/TAT	13-Oct-93	EB640A N124,E156 (1.7-1.9)	1.7							+	ļ			<u> </u>		<u> </u>	 	<u> </u>	+
Al	SOIL	WESTON/TAT	13-Oct-93	EB640A N124,E156 (2.4-2.5)	2.4	2.5		<u> </u>	<u> </u>			+	$ldsymbol{ldsymbol{ldsymbol{eta}}}$					<u> </u>	ـــــــ	<u> </u>	+
Al	SOIL	WESTON/TAT	13-Oct-93	EB640A N124,E156 (2.8-3.0)	2.8	_ 3					L	+							<u> </u>	↓	+
Al	SOIL	WESTON/TAT	13-Oct-93	EB640A N124,E156 (4.6-4.8)	4.6	4.8						+		<u> </u>	Ĺ		<u> </u>	<u> </u>	<u> </u>	└	+
Al	SOIL	WESTON/TAT	15-Oct-93	EB640A N68,E167 (0.0-0.2)	(0.2						+						1	<u> </u>	<u> </u>	+
Al	SOIL	WESTON/TAT	15-Oct-93	EB640A N68,E167 (0.6-0.8)	0.6	0.8	3	L			<u> </u>	+				<u> </u>		<u> </u>	↓		+
Al	SOIL	WESTON/TAT	15-Oct-93	EB640A N68,E167 (1.3-1.5)	1.3	1.5		<u> </u>				+		<u> </u>					<u> </u>	$oldsymbol{ol}}}}}}}}}}}}}}}}}$	+
A1	SOIL	WESTON/TAT	15-Oct-93	EB640A N68,E167 (10.6-10.8)	10.6	10.8	3	l	İ		<u> </u>	+				<u> </u>		<u> </u>	Щ	<u> </u>	+
A1	SOIL	WESTON/TAT	15-Oct-93	EB640A N68,E167 (4.0-4.3)		4.3	3		L			+	<u> </u>			<u> </u>					+
A1	SOIL	WESTON/TAT	15-Oct-93	EB640A N68,E167 (4.4-4.8)	4.4	4.8	3			<u> </u>	<u> </u>	+	<u> </u>			<u> </u>	L	<u> </u>	<u> </u>	⊥	<u>+</u>
A1	SOIL	WESTON/TAT	15-Oct-93	EB640A N68,E167 (4.9-5.1)	4.9							+	1	<u> </u>	<u> </u>	<u> </u>		<u> </u>		<u> </u>	+
A1	SOIL	WESTON/TAT	15-Oct-93	EB640A N68,E167 (5.6-5.8)	5.6						L	+						<u> </u>	<u>↓</u>	ــــــ	+
Al	SOIL	WESTON/TAT	15-Oct-93	EB640A N68,E167 (8.7-8.9)	8.7	8.9	2		L			+	<u> </u>	<u>l</u>		<u> </u>		<u> </u>	↓_	↓	+
Al	SOIL	WESTON/TAT	16-Oct-93	EB640AC-N124,E156(0.5-1.0)	0.5	1	+	+	+	+	+				<u> </u>	<u></u>			<u> </u>	<u> </u>	丄
A1	SOIL	WESTON/TAT	13-Oct-93	EB640AC-N124,E156(2.0-2.4)	2	2.4	+	+	+	+	+	<u> </u>	<u> </u>				<u> </u>	L	Ш	<u> </u>	↓_
Al	SOIL	WESTON/TAT	13-Oct-93	EB640AC-N124,E156(4.8-6.3)	4.8	6.3	3 +	+	+	+	+	L				١.	1	<u> </u>			
A1	SOIL	WESTON/TAT	13-Oct-93	EB650A N148,E95 (0.0-0.3)	(0.3	3				l	+	L				<u> </u>		L	┸	<u> </u>
A1	SOIL	WESTON/TAT	13-Oct-93	EB650A N148,E95 (1.9-2.1)	1.9	2.1						+							<u> </u>	<u> </u>	+
Αl	SOIL	WESTON/TAT	13-Oct-93	EB650A N148,E95 (5.4-5.6)	5.4	5.6	5				L	+		<u> </u>		<u> </u>		<u> </u>	<u> </u>		+
Al	SOIL	WESTON/TAT	13-Oct-93	EB650A N148,E95 (6.8-7.0)	6.8	7	7					+	<u> </u>				<u>l</u> .				+
Al	SOIL	WESTON/TAT	13-Oct-93	EB650A N148,E95 (8.8-9.2)	8.8	9.2	2				Ĺ	+						<u> </u>			+
Al	SOIL	WESTON/TAT	14-Oct-93	EB728A N247,E46 (0.0-0.2)	(0.2	2					+						<u> </u>	1_	$oldsymbol{ol}}}}}}}}}}}}}}}}}$	+
Al	SOIL	WESTON/TAT	14-Oct-93	EB728A N247,E46 (0.25-0.5)	0.2	0.5	5	П	Ī		<u> </u>	+]			丄		+
Al	SOIL	WESTON/TAT	14-Oct-93	EB728A N247,E46 (0.8-0.9)	0.8	0.9	7					+			<u> </u>		<u> </u>		Щ.		+
Al	SOIL	WESTON/TAT	14-Oct-93	EB728A N247,E46 (1.0-1.3)		1.3	3					+					L.				+
Al	SOIL	WESTON/TAT	14-Oct-93	EB728A N247,E46 (1.3-1.4)	1.3	3 1.4	4					+									+
Al	SOIL	WESTON/TAT	14-Oct-93	EB728A N247,E46 (10.0-10.3)	10	10.3	3					+							\bot		+
Al	SOIL	WESTON/TAT	14-Oct-93	EB728A N247,E46 (10.5-10.8)	10.5	10.8	3					+									+
Al	SOIL	WESTON/TAT	14-Oct-93	EB728A N247,E46 (5.4-5.6)	5.4	5.0	5					+						\perp	$oldsymbol{\bot}$	1	+
Al	SOIL	WESTON/TAT	13-Oct-93	EB728A N277,E37 (0.0-0.3)		0.3	3					+								oxdot	+
A1	SOIL	WESTON/TAT	13-Oct-93	EB728A N277,E37 (1.0-1.3)		1.3	3					+									+
Al	SOIL	WESTON/TAT	13-Oct-93	EB728A N277,E37 (10.0-11.3)	10	11.3	3					+	Ĭ								+
Al	SOIL	WESTON/TAT	13-Oct-93	EB728A N277,E37 (12.5-12.8)	12.	12.8	3					+									+

TABLE 4-6
AREA A-1: SAMPLES COLLECTED AND ANALYSES PERFORMED
FINAL REMEDIAL INVESTIGATION REPORT - AREA I
RAYMARK - FERRY CREEK, OU3
STRATFORD, CT
PAGE 17 OF 20

AREA	MATRIX	CONTRACTOR	SAMPLE DATE	SAMPLE LOCATION	INTERVAL			CLP						TCLP				OTHER			
					TOP	BOTTOM (ff	VOCs	SVOCs	PEST/PCBs	DIOXINS/FURANS	METALS	ASBESTOS	тос	TCLP VOCs	TCLP SVOCs	TCLP PEST/PCBs	TCLP METALS	SPLP METALS	PCB CONGENERS	PAH (BIOTA ONLY)	SCREENING METALS
A1	SOIL	WESTON/TAT	13-Oct-93	EB728A N277,E37 (2.0-2.3)	2	2.3	3					+			-						+
Αl	SOIL	WESTON/TAT	13-Oct-93	EB728A N277,E37 (6.0-6.3)		6.3	3					+								\Box	+
A1	SOIL	WESTON/TAT	11-Jun-93	FB W+1300	(0.5	5					+									+
A1	SOIL	WESTON/TAT	11-Jun-93	FB W+1350		0.5	5					+									+
A1	SOIL	WESTON/TAT	11-Jun-93	FB W+1400		0.5	5					+									+
A1	SOIL	WESTON/TAT	11-Jun-93	FB W+1450	C	0.5	5					+									+
A1	SOIL	WESTON/TAT	11-Jun-93	FB W+1500	(0.5	5					+							\Box		+
A1	SOIL	WESTON/TAT	11-Jun-93	FB W+1550	C	0.5						+									+
Al	SOIL	WESTON/TAT	11-Jun-93	FB W+1600	(0.5						+									+
Αl	SOIL	WESTON/TAT	11-Jun-93	FB W+1650	C	0.5	5					+							\Box		+
A1	SOIL	WESTON/TAT	11-Jun-93	FB W+1700	C	0.5	5					+									+
A1	SOIL	WESTON/TAT	11-Jun-93	FB W+1750		0.5	<u> </u>					+									+
Αì	SOIL	WESTON/TAT	11-Jun-93	FB W+1800	C	0.5	<u> </u>					+		*****					П	\Box	+
A1	SOIL	WESTON/TAT	14-Jun-93	MF A+00	C	0.5	i					+									+
Αl	SOIL	WESTON/TAT	14-Jun-93	MF A+050	0	0.5						+								\Box	+
A1	SOIL	WESTON/TAT	14-Jun-93	MF A+100		0.5		Г				+							П		+
A1	SOIL	WESTON/TAT	14-Jun-93	MF A+200		0.5						+							\Box		+
Αl	SOIL	WESTON/TAT	14-Jun-93	MF A+300	C	0.5						+							\Box		+
A1	SOIL	WESTON/TAT	14-Jun-93	MF A+400		0.5						+							Г		+
Al	SOIL	WESTON/TAT		MF AYO		0.5						+							П		+
Al	SOIL	WESTON/TAT		MF AY1	C							+									+
Al	SOIL	WESTON/TAT	15-Jun-93	MF AY2	C	0.5						+	_						\Box	┌─┤	+
A1	SOIL	WESTON/TAT	15-Jun-93	MF AY3	C	0.5			—			+							-1		+
Αl	SOIL	WESTON/TAT	15-Jun-93	MF AY4	C		_					+								\dashv	+
Αl	SOIL	WESTON/TAT		MF AZ+300					t			+	\neg					-		- 	+
Αl	SOIL	WESTON/TAT		MF AZ+365	0				† —			+				\Box				 	+
Αl	SOIL	WESTON/TAT		MF B+00	C		-		T			+						\neg		\rightarrow	+
Αl	SOIL	WESTON/TAT		MF B+050	C			 				+									+
Al	SOIL	WESTON/TAT		MF B+100	C							+	-					\neg		\neg	+
Al	SOIL	WESTON/TAT	14-Jun-93	MF B+200	C			1				+							-	\neg	+
Αl	SOIL	WESTON/TAT	14-Jun-93	MF B+300	C			1				+		\vdash		-				\dashv	+
Al	SOIL	WESTON/TAT	14-Jun-93	MF B+400	C	0.5			Ι –			+									+
_ ^ ` _	SOIL	WESTON/TAT	14-Jun-93	MF B+425	0	0.5			T .			+							-1		-

Tables (pages 50-99) are available in a separate file (size: 6 MB).

Tables
(pages 100-150)
are available
in a separate file (size: 5 MB).

Tables
(pages 151-199)
are available
in a separate file (size: 5 MB).

Tables and Figures
(pages 200-255)
are available
in a separate file (size: 6 MB).